CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 17	Paden City, W. Va.	Oct. 13.
Oct. 18	Valparaiso, Fla.	Oct. 6
Oct. 18	Duncan, Okla.	Oct. 13
Oct. 18	Manhattan, Kan.	Oct. 13
Oct. 20	Grand Rapids, Mich. Adv. Oct. 6 and 13.	Oct. 6
Oct. 22	West Allis, Wis.	Oct. 13
Oct. 24	Salem, N. J.	Sept. 29
Oct. 24	Milwaukee, Wis.	Sept. 29
Oct. 27	Pawhuska, Okla.	Oct. 13
Oct. 31	Dallas, Tex. Adv. Oct. 13.	Oct. 13
Nov. 10	New York Adv. Oct. 6 and 13.	Oct. 6
Nov. 10	New Braunfels, Tex.	Oct. 13

SEWERS

Oct. 17	De Kalb, Ill.	Oct. 13
Oct. 17	St. George, S. I., N. Y.	Oct. 13
Oct. 18	Greenwood, Miss.	Sept. 29
Oct. 18	Passaic, N. J.	Sept. 29
Oct. 18	Memphis, Tenn. Adv. Sept. 29 to Oct. 13.	Oct. 6
Oct. 18	Rocky Mount, N. C. Adv. Oct. 13.	Oct. 13
Oct. 25	North Arlington, N. J.	Oct. 6
Oct. 27	East San Diego, Cal. Adv. Oct. 6 and 13.	Oct. 6
Nov. 8	London, Ont.	Oct. 13

BRIDGES

Oct. 18	Detroit, Mich. Adv. Oct. 13.	Oct. 13
Oct. 18	Valparaiso, Fla.	Oct. 6
Oct. 19	Freehold, N. J.	Oct. 6
Oct. 19	Tuscaloosa, Ala.	Sept. 29
Oct. 20	North Carolina	Oct. 13
Oct. 20	Pawhuska, Okla.	Oct. 31
Oct. 21	Girard, Kan.	Oct. 13
Oct. 24	New Gretna, N. J. Adv. Oct. 13.	Oct. 13
Oct. 25	Salina, Kan.	Oct. 6
Oct. 27	Grand Rapids, Mich. Adv. Oct. 13.	Oct. 13
Nov. 15	Oklahoma City, Okla.	Oct. 6

EXCAVATION AND DREDGING

Oct. 17	Stillwater, Minn.	Oct. 6
Oct. 21	Holton, Kan.	Oct. 13
Oct. 25	Warren, Minn.	Oct. 13
Oct. 27	Gorham, Ill.	Oct. 13
Oct. 27	Valley, Ill. Adv. Oct. 6 and 13.	Oct. 13
Jan. 7	Duluth, Minn.	Oct. 13

STREETS AND ROADS

Oct. 17	Alabama	Sept. 15
Oct. 17	Los Angeles, Cal.	Sept. 29
Oct. 17	Los Angeles, Cal.	Oct. 13
Oct. 17	Southport, N. C.	Sept. 29
Oct. 17	Sulphur, Okla.	Oct. 13
Oct. 17	California	Oct. 6
Oct. 17	El Centro, Cal.	Oct. 13
Oct. 18	Long Island City, N. Y.	Oct. 6
Oct. 18	Rocky Mount, N. C. Adv. Oct. 13.	Oct. 13
Oct. 18	Phila, Pa.	Oct 13
Oct. 20	Florida	Oct. 6
Oct. 20	North Carolina	Oct. 13
Oct. 20	New York, N. Y.	Oct. 13
Oct. 22	Lakewood (Cleveland P. O.), O.	Oct. 13
Oct. 24	Louisiana	Oct. 13
Oct. 25	Massachusetts	Oct. 13
Oct. 26	Alabama	Oct. 6
Oct. 28	Duluth, Minn.	Oct. 6
Nov. 1	Lewisburg, W. Va. Adv. Oct. 13.	Oct. 13

Bids Close		See Eng. News-Record
INDUSTRIAL WORKS		
Oct. 18	Kansas City, Mo.	Oct. 13
Oct. 20	Mt. Holly, N. J.	Oct. 6
Oct. 20	Centralia, Ill.	Oct. 13
Oct. 25	Phila., Pa.	Oct. 13
BUILDINGS		
Oct. 17	Canton, O.	Oct. 13
Oct. 17	Asheville, N. C.	Oct. 13
Oct. 17	Springwells, Mich.	Oct. 13
Oct. 17	Camden, N. J.	Oct. 13
Oct. 17	Middletown, Conn.	Oct. 6
Oct. 17	Los Angeles, Cal.	Oct. 6
Oct. 18	Centralia, Ill.	Oct. 13
Oct. 18	Cleveland, O.	Oct. 13
Oct. 18	Three Lakes, Wis.	Sept. 29
Oct. 18	Kansas City, Kans.	Oct. 13
Oct. 19	Schenectady, N. Y. Adv. Oct. 13.	Oct. 13
Oct. 19	Toledo, O.	Oct. 6
Oct. 19	St. Louis, Mo.	Oct. 6
Oct. 20	Evanston, Ill.	Oct. 13
Oct. 20	Lorain, O.	Sept. 29
Oct. 20	Lorain, O.	Oct. 6
Oct. 20	Phila., Pa.	Oct. 13
Oct. 20	West Chester, Pa.	Oct. 13
Oct. 20	Freeport, Ill.	Oct. 13
Oct. 24	Cleveland, O.	Sept. 8
Oct. 24	Cincinnati, O.	Oct. 6
Oct. 24	Columbus, O.	Oct. 6
Oct. 24	Harrisburg, Pa.	Oct. 13
Oct. 25	Harrisburg, Ill.	Oct. 13
Oct. 26	Wash., D. C.	Oct. 6
Oct. 26	Wash., D. C.	Oct. 13
Nov. 1	Santa Ana, Cal.	Oct. 6
Nov. 1	Elizabeth, N. J.	Oct. 13
Nov. 1	Bloomville, O.	Oct. 13
Nov. 5	Peoria, Ill.	Oct. 13
Jan. 15	Laramie, Wyo.	Sept. 29
Feb. 1	Williamsport, Pa.	Sept. 8
FEDERAL GOVERNMENT WORK		
Oct. 15	Revetment — Jacksonville, Fla. Adv. Sept. 22 to Oct. 13.	Sept. 22
Oct. 17	Fire Protection System—Chicago, Ill.	Oct. 13
Oct. 17	Recreation Building—Chicago, Ill.	Sept. 29
Oct. 18	Mailing Vestibule—Sioux City, Ia.	Sept. 29
Oct. 19	Repairs — Ft. Stanton, N. M.	Sept. 29
Oct. 19	Refrigerating Plant — Alexandria, La.	Oct. 6
Oct. 20	Fire Alarm System—North Little Rock, Ark.	Sept. 29
Oct. 20	Dredging—Phila., Pa.	Oct. 6
Oct. 22	Emergency Dams — Seattle, Wash. Adv. Sept. 29 to Oct. 13.	Sept. 29
Oct. 26	Electric Cable System — Charleston, W. Va.	Oct. 13
Oct. 28	Alterations to Post Office — Decatur, Ill. Adv. Oct. 13.	Oct. 13
Oct. 31	Hospital — Ft. Bayard, N. M.	Oct. 13
Nov. 2	Quarters—Prescott, Ariz.	Oct. 13
Nov. 2	Remodeling Barracks—Mare Island Cal.	Oct. 6
Dec. 7	Storehouse—Pearl Harbor, H. T. Adv. Oct. 13.	Oct. 6
MISCELLANEOUS		
Oct. 18	Grade Separation—Detroit, Mich.	Oct. 13
Oct. 18	Oil Tank Wagons—Phila., Pa.	Oct. 13
Oct. 20	Incinerator — Montreal, Que.	Sept. 29
Oct. 21	Subway—Detroit, Mich.	Oct. 6
Oct. 22	Cut Stone—Wash., D. C. Adv. Sept. 29 to Oct. 13.	Sept. 29
Oct. 24	Coal Handling Apparatus, etc.—Thiells, N. Y. Adv. Oct. 13.	Oct. 13
Oct. 25	Trestle and Bins—Washington, D. C.	Oct. 6
Oct. 26	Jetty — New Westminster, B. C.	Sept. 29

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

O., Georgetown—Making plans for waterworks and sewerage system, $120,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

O., Kingston—Making plans water works, including deep wells, pumping station, 4 mi. pipe, etc. $48,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

Ia., Cedar Rapids—Making plans and soon takes bids, reservoir and mains. $300,000. H. F. Bloomquist, supt. Noted Jan. 20.

Ia., Cedar Rapids—Plans reservoir, 7,500,000 gal. capacity. $300,000. L. J. Storey, clk. Engineer not selected.

Minn., Chandler—Making plans waterworks, $30,000. Jones & Curtis, Fairmont, engrs.

Kan., McCracken—Making plans new mains, addition to pumping station and reservoir. $55,000. Ruckel Eng. Co., Hutchinson, engrs.

Okla., Maysville—Making plans waterworks and sewerage system. $27,000. H. G. Olmstead & Co., Tradesman Bank Bldg., Oklahoma City, engrs.

Wyo. Cody—Election Nov. 2, $65,000 bonds, gravity water system, 12 x 20 x 60 ft. concrete reservoir extension distributing system, 20 x 20 ft. brick and stone pumphouse, chlorination equipment. H. F. Bell, Cody, engr.

Tex., Edinburg—Attorney Generals Dept., Austin, approved $30,000 bonds, waterworks improvements, etc.

Ont., Almort—Take bids early in 1922, new waterworks, $300,000. W. B. Redfern, of James, Proctor & Redfern, Ltd., 36 Toronto St., Toronto, engr.

BIDS DESIRED

W. Va., Paden City—Oct. 17, by S. I. Furbee, mayor, waterworks. E. O. Buck recd.

Kan., Manhattan—Oct. 18, by City Clerk Waterworks, $40,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted July 21.

Wis., West Allis—Oct. 22, by Bd. Pub. Wks., laying 5,200 lin.ft. 24 in. Class C mains on National Ave. from Arnould to 47th Aves., 47th Ave. from National to Lapham Aves., 727 ton 24 in. pipe, 40 lin.ft. 6 in. pipe, specials, pluge, sleeves, tees, seven 6-24 in. gates, 3 air cocks, 4 standard manholes, etc. $90,000. Bids will also be received for meter pit with two 16 in. standard velocity meters, etc. W. Darby, city engr.

Okla., Duncan—Oct. 18, by J. W. Ewell, city clk., one 2,000,000 gal. capacity reservoir, concrete and steel tank, 30 x 40 ft. brick power house, 40 x 50 ft. pumping station, two 400 hp. Deisel oil engines, two 920 cu.yd. capacity air compressors and two 300 G.P.M. electric driven service pumps. $300,000. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., engrs. Noted July 21.

Okla., Pawhuska—Oct. 27, waterworks, pumping stations, reservoir and mains. $177,000. H. G. Olmstead & Co., Tradesmans Bank Bldg., Oklahoma City, engrs. Noted Sept. 29.

Tex., Dallas—Oct. 31, by Mayor and City Comrs., at office City Secretary, pumping equipment. D. Morey, Jr., 517 Praetorian Bldg., engr.; adv. this issue.

Tex., New Branfess—Nov. 10, one 1,000,000 gal., one 800,000 gal. or two 500,000 gal. twin standpipes, 108 ft. high. M. L. Diver, Bedel Bldg., San Antonio, engr.

Waterworks (Continued)

BIDS RECEIVED

O., Elyria—For rein.-con. roof for coagulation basin and appurtenant work, from Hunkin-Conkey Constr. Co., Century Bldg., Cleveland, $13,000; railroad siding, from H. L. Carr, Frederick Bldg., Cleveland, $4,300. See "Contracts Awarded." Noted Sept. 8.

CONTRACTS AWARDED

N. Y., S. I. St. George—C. D. Van Name, pres. Richmond Boro, Boro Hall, mains in Evelyn Pl., Crescent, Guyon, Garretson and Wandell Aves., Nichols St. Old Town and Willowbrook Rds. to G. Gloriana, 426 Bowery, New York, $26,285. Noted Sept. 29.

O., Elyria—Pumping station and filtration plant, to Hunkin-Conkey Constr. Co., Century Bldg., Cleveland, $143,000. Noted Sept. 8.

O., Forest—A. F. Bartlett, clk. Bd. Trustees of Pub. Affairs, waterworks, to Summers & Hardin, 225 Holland Bldg., Lima, $30,770. Noted Sept. 15.

Sewers

PROPOSED WORK

Pa., Johnstown—Election Nov. 5, $800,000 bonds for sanitary sewers. H. L. Wilson, 184 Worth St., engr.

O., Georgetown—See "Waterworks."

O., Kingston—Plans 5 mi. sewers, disposal plant with septic tanks. $55,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

Mich., Detroit—Plans lateral sewers in alleys between Dresden, Racine, Findlay, Portlance, Waltham, Gratiot, Wildermere, Lawton, Midland, Puritan, Fairfield, Fairport, Marley, Greenfield, Newport, Lakewood, Korte, Van Dyke and Castle Aves., also laterals 3521, 3522, 3536-3540 inclusive, 3547, 3548, 3551 and 3495, vitr. crock, 10-13 in. $60,000. C. W. Hubbell, city engr.

Ill., Hinsdale—Making plans 12 in. glazed sewers in various streets. $26,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Zion—Making plans 8-18 in. glazed tile sewers. Gideon St. $40,000. J. Craig, Administration Bldg., engr.

Wis., Ostburg—Having plans prepared sanitary and storm sewers. $35,000. J. Donohue, 8th St., Sheboygan, engr.

Ia., Burlington—Making plans 12-18 in. glazed tile sewers. Osborne St. $35,000. H. A. Vollmer, city engr.

Minn., Winona—Plans 8.5 mi. sewers in 3rd Sewer Dist., west of Lafayette St., south of Chicago, Milwaukee & St. Paul R.R. tracks. $50,000. E. E. Chadwick, city engr.

Kan., Lindsborg—Making plans 8 in. glazed tile sewer pipe, manholes and flush tanks. $30,000. H. A. Rowland, McPherson, engr.

Okla., Mayesville—See "Waterworks."

Cal., Glendale—Bd. Trustees making plans and opens bids about Dec. 1, 1,774 ft. 6-15 ft. vitr. pipe, 7 septic tanks and 21 cesspools. $36,500. C. L. Hill, 320 West Vine St., engr.

BIDS DESIRED

N. Y., S. I., St. George—Oct. 17, by C. D. Van Name, pres. Richmond Boro, temporary sewers in Clove Ave. from Staten Island Ry. to point about 6 ft. north of Fingerboard Rd., etc. $35,000.

N. C., Rocky Mount—Oct. 18, 10,736 lin. ft. 8 in. and 5,501 lin. ft. 10 in. sanitary sewers, etc. J. J. Wells, Rocky Mount, engr.; adv. this issue.

Ill., DeKalb—Oct. 17, sewerage system, 5,709 ft. 6-12 in. pipe. W. Hay, city engr.

Ont., London—Nov. 8, by S. Baker, City Hall, storm sewers in Pinelawn suburb, $170,000. Prices wanted on tile up to 24 in. H. A. Brazier, city engr.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, sewer in La Salle and Crosby Aves., from J. L. Sigretto, Woodhaven, (a) $70,545, Fordham Contg. Co., (a) $72,573, (b) $73,000, J. J. B. La Marsh, 1519 Appleton Ave., (a) $80,752, (b) $80,752, C. W. McDonald, West 10th St., Brooklyn, (b) $74,868; regulating, grading and laying sidewalks, etc., on East 156th St., from F. Spadaro, 827 East 217th St., $6,938, I. F. Cavaluzzo, 1538 Walton Ave., $7,426, Williams & Quinn, $7,522; paving roadway of East 186th St., from C. D. Beckwith, Inc., 301 West 108th St., $4,189, Brusstar Constr. Co., Inc., Harlem River and 150th St., $4,360, Interboro Asphalt Co., $4,555. Noted Sept. 29.

N. J., Clifton—Passaic Valley Sewerage Comrs., 128 Market St., Newark part of Sect. 25, Yantacaw River Crossing, here, (1) lump sum, earth excav., dredging and refilling, in trenches, etc., (2) lump sum, laying 20 in. c.i. pipe line across Passaic River, etc., from Merritt & Chapman Derrick and Wrecking Co., 17 Battery Pl., New York, (1) $16,700, (2) 5,000, total cost $24,715; Bay State Dredging & Contg. Co., East Boston, Mass., (1) $21,000, (2) $6,177, $35,372; Arnolt-More, Inc., 45 Clinton St., Newark, (1) $62,000, (2) $2,000, $72,975. Noted Sept. 8.

CONTRACTS AWARDED

R. I., Providence—Labor laying sewers in twelve streets, to F. A. Gammino, 331 Bway.; M. A. Gammino, Valley St.; and P. Gallo, 135 Ontario St. Total $34,421. City furnishes materials.

O., Dayton—Montgomery Co. sewer in East Paark Sanitary Sewer Dist. 1, to C. J. Wetzel, 66 Davies Bldg., $33,412. Noted Sept. 22.

Mich., Detroit—To Oakwood Constr. Co., 165 Fort Blvd., lateral sewer 3411, $12,081, lateral 3527, $3,200; M. C. Livingstone, 778 Wilde Ave., lateral 3501, $38,068; Detroit Drainage Constr. Co. 400 Penobscott Bldg., lateral 3502, $42,700, lateral 3503, $6,193, lateral 3511, $4,158, lateral 3519, $48,000, lateral 3524, $12,600, lateral 3525, $10,134, lateral 3526, $1,193, lateral 3528, $768, lateral 3530, $2,362, lateral 3533, $3,400. Noted Oct. 6.

Ill., Cary—Bd. Local Impvts., sewerage system, 15,666 8-12 in. pipe, 47 manholes, and small disposal plant, to Logan & Giertz, Elgin, $23,915. Noted Sept. 29.

Ont., Hamilton—For 4,000 ft. rein.-con. sewer in Wellington St. from Ferrier to Barton Sts., to A. Cope & Sons, 29 Albert St., $355,500.

Ont. London—For 3 c.ui. syphons lines, one 12 in. and two 8 in. across River Thames, to P. Mohan, 36 Belgrave Pl., and Webster Constr. Co., London, $25,000.

Bridges

PROPOSED WORK

N. Y., Buffalo—Had plans prepared maintaining and repairing steel truss bridges. Bids soon for 2 bridges. Cost to exceed $250,000. G. H. Norton, Municipal Bldg., city engr.

Pa. Johnstown—Election Nov. 5, $450,000 bonds for Franklin, Poplar St. and Cambria City Bridges. H. L. Wilson, 184 Worth St., engr.

North Carolina—State Highway Comn., Raleigh, plans rein.-con. bridge over Fishing Creek, State Project 653, Halifax Co. $30,000. C. M. Upham, state highway engr.

Wis., Appleton—Plans 2,800 ft. steel or concrete viaduct, 40 ft. wide, two 6 ft. walks, over Fox River on Lake St. $850,000. E. L. Williams, clk.

Wis., Melrose—Jackson Co., (Black River Falls) and State Highway Comn., Madison, are making plans 650 ft. steel bridge, 20 ft. roadway, concrete piers and abutments, here $75,000. M. W. Torkelson, bridge engr.

Tex., Austin—Travis Co. election soon $611,959 bonds, 230 steel and concrete bridges, culverts and dips, some to replace those destroyed by recent floods. O. Leonard, co. engr.

BIDS DESIRED

N. J., New Gretna—Oct. 24, by State Highway Comn., Broad St. Bank Bldg., Trenton, widening trestle bridges 69, M. P. 11.1 over Cramers Creek and Bridge "R", M. P. 10.9 Lovelands Thoroughfare, Route 4, between here and Port Republic, Burlington Co. C. A. Mead, 790 Broad St., Newark, bridge engr.; adv. this issue.

North Carolina—Oct. 20, by state Highway Comn., Raleigh, bridges and culverts on State Project 513, Nash Co., 1,140 cu.yd. concrete, 60,800 lb. reinforcing and 112,500 lb. structural steel, 600 ft. untreated timber piles, 700 sq.yd. rock asphalt wearing surface, etc. $47,000. C. M. Upham, state highway engr.

Mich., Detroit—Oct. 18 by Bd. Rd. Comrs. Wayne Co., rein.-con. arch bridge over Huron River at Sumpter Rd.; adv. this issue.

Mich., Grand Rapids—Oct. 27, by Director Pub. Serv., rein.-con. bridge over Grand River on Pearl St. C. A. Paige, city engr.; adv. this issue.

Kan., Girard—Oct. 21, Crawford Co., 107 ft. bridge, two 50 ft. concrete girders. C. M. Cooper, Girard, engr.

Okla., Pawhuska—Oct. 20, by Clerk Osage Co., 70 ft. steel span bridge 4 mi. east of Hominy, 40 ft. beam bridge 3 mi. north of Wekiwa, 70 ft. steel span 2 mi. northwest of Sperry, 102 ft. steel span 4 mi. north of Burbank, 40 ft. bridge 2½ mi. west of Fairfax, two 30 ft. beam bridges, 8 mi. west of Burbank, 40 ft. beam bridge, 12 mi. west of Fairfax, 140 steel span 7 mi. south of Chautauqua. Part of these bridges have stone abutments and part concrete. Bids will be asked for jobs complete, also for sub and superstructures separate. W. M. Clark, co. engr.

Mass., Holyoke—Bd. Pub. Wks., 150 ft. rein.-con. and steel bridge over 2nd level canal, from Hoyt Constr. Co., 85 Dartmouth St., $40,118; Walsh Steam Boiler Wks., Appleton St., $41,494; M. J. Walsh & Sons, 1412 Dwight St., $41,850. Noted Sept. 29.

North Carolina—State Highway Comn., at div. office Asheville, rein.-con. bridges and culverts on State Project 545, Graham Co., to C. M. Dicus, Mill Springs, $18,100; State Project 548, Clay Co., to W. T. Moore Concrete Products Co., Andrews, $23,515; State Project 534, Cherokee Co., to Southern Dray Co., Asheville, $21,781. Noted Sept. 29 under Streets and Roads.

Florida—State Highway Dept. Tallahasee, bridges and culverts on State Rd. 1, Federal Aid Projects 11, 21, 22, 23 and 24, between Jacksonville and Lake City, (a) 1,316 cu.yd. Class A concrete (b) 833 cu.yd. Class B concrete, (c) 118,967 lb. reinforcing steel, (d) creosoted lumber, (e) piling, from Clayton-Mitchell Co., Cairo, Ga., (a) $27 per cu.yd., (b) $26, (c) $0.04½, (d) $100, (e) $1.50; W. T. Hadlow, Baldwin, Bldg., Jacksonville, (a) $30, (b) $30, (c) $0.04½, (d) $90, (e) $1; T. B. Puckett, Perry, (a) $31, (b) $31, (c) $0.06, (d) $145, (e) $1.50.

Kentucky—State Highway Dept., Old Capitol Bldg., Frankfort, (1) 3 steel bridges, concrete sub-structure on Mayo Trail, Lawrence Co., (2) over Big Creek, Pike Co., (3) over Hites Run, Breckenridge Co., (3) over Indian Creek, Hancock Co., from Highway Iron Products Co., Legonia, Ind., (1) $46,914, (2) $8,443; Kentucky Bridge Co., Louisville, (1) $47,796, (3) $10,598, (4) $11,008; Champion Bridge Co., Wilmington, O., (1) $51,588 (2) $9,658, (3) $10,864; Vincennes Bridge Co., Vincennes, Ind., (3) $10,652, (4) $10,850; Speed-Parker Inc. Co., Louisville, (2) $9,807. Noted Sept. 22.

Wis., Sauk City—State Highway Comn., State Capitol Annex, Madison, Sauk City Bridge over Wisconsin River between here and Roxbury, on State Trunk Highway 12, 995 ft. long, 20 ft. roadway, 6 ft. sidewalk, from Wausau Iron Wks., Wausau, $128,400; Worden-Allen Co., Pt. Washington Rd., Milwaukee, $142,000; Koss Constr. Co., 2818 5th St., Des Moines, Ia., $145,000. Unit bids may be obtained by writing Engineering News-Record. Noted Sept. 16.

CONTRACTS AWARDED

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 3 concrete bridges, Jo Daviess-Stephenson Counties, to W. H. Shons, 109 Spring St., Freeport, $11,089; 1 steel bridge, Will Co., Joliet Bridge & Constr. Co., 417 Natl. Bank Bldg., Joliet, $10,613; 1 steel bridge, Kendall Co., Frandson Constr. Co., 64 West Randolph St., Chicago, $7,058; 6 concrete bridges, Monroe Co., A. Culberson, Oconee, $2,160. Noted Aug. 18.

Wis., Kenosha—Concrete abutments and approaches to bridge on Middle St., from Greiling Bros., East Walnut St., Green Bay, $57,125; E. E. Gillen Co., 120 Wisconsin St., Wilwaukee, $57,200; Great Lakes Dredge & Drain Co., 216 West Water St., Wilwaukee, $59,250. Former contract rescinded. Noted July 14.

Bridges (Continued)

South Dakota—State Highway Comn., Pierre, three 56-ft., one 205-ft., two 45-ft. and one 73-ft. concrete viaducts, one 65-ft. pony truss and two 30-ft. I beam spans, on Federal Aid Project 82, Brookings Co., to Iowa Bridge Co., 712 Hubbell Bldg., Des Moines, Ia., $28,457.

Wyoming—State Highway Dept., Cheyenne, two 130-ft. steel spans, 18 ft. wide, concrete abutments and approaches, north of Lusk, Niobrara Co., to D. B. Miller, Cheyenne, $36,008. Noted Sept. 22.

Que., Montreal—For rein.-con. bridge, Sherbrooke St. E., to A. Leduc, 351 Christophe Colombe St., $144,100. Noted Oct. 6.

Dam

PROPOSED WORK

Ont., London — Pub. Utilities Comn., Hydro Bldg., making plans rein-con. dam over Thames River, Springbank Park, 8,000 cu.yd. rein.-con. $150,000. E. V. Boston, making plans 13,333 ft. gravel state highway engr.

Railways

PROPOSED WORK

Wisconsin—Duluth Superior Traction Co., 2631 West Superior St., Superior, preparing road bed of crushed rock, concrete foundation and laying tracks for single electric railway trolley here. $50,000. Work will be done by day labor.

Excavation and Dredging

PROPOSED WORK

Ill., Quincy — Drainage — Bd. Supervs. Adams Co. making plans open ditch and tile work, in Long Island, north of here. $400,000. W. P. Bushnell, Wells Bldg., ch. engr.

BIDS DESIRED

Ill., Gorham — Excavation—Oct. 27, by Comrs. Big Lake Special D. D., reconstructing outlet ditches, 171,880 cu.yd. excav. T. G. Dunn, Gorham, engr.

Ill., Valley—Pumps—Oct. 27, by Comrs. Valley City Drainage and Levee Dist., Pike Co., at office E. T. Perkins Eng. Co., 38 South Dearborn St., Chicago, centrifugal pumps, oil engines, etc.; adv. this issue.

Minn., Duluth—Ditch—Jan. 7, by F. W. Borgen, aud. St. Louis Co. County Ditch 13, in Payne-Kelsey Dists., to drain 55,000 acres in 6 townships. $375,000. T. F. McGilvray, Court House, co. engr.

Minn., Warren—Ditch—Until Oct. 25, by Marshall Co., Judicial Ditch 30, 298,965 cu. yd. excav., etc. $76,965. I. E. Quist, Warren, engr.

Kan., Holton—Stream improvement—Oct. 21, by E. R. Sloan, attorney for Straight Creek D. D. 2, improving stream, 183,000 cu.yd. excav., etc. $60,000. Tuttle, Ayres & Woodward, Reliance Bldg., Kansas City, Mo., engrs.

CONTRACTS AWARDED

Ia., Hampton—Drainage—Franklin Co. systems in D. D. 63, 65 and 70, 70,500 lin. ft. 6-26 in. tile, to Humboldt Gravel & Tile Co., Humboldt, $31,665.

Streets and Roads

PROPOSED WORK

N. H., Hampton—Plans permanent surface on Hampton Beach Rd. $50,000. W. A. Grover, 41 Atkinson St., Dover, engr.

Massachusetts — State Highway Dept., Boston making plans 13,333 ft., gravel highway in Plainfield, 18 ft. wide. $60,000; 8,100 ft. gravel highway in Cummington, 18 ft. wide. $40,000. A. W. Deane, 413 State House, Boston, engr.

Pa., Ferndale—Blacklick Twp. had surveys made 4 mi. state road through Nanty-Glo, Twin Rocks and Belsano, concrete or brick, $200,000. L. R. Owen, Otto Bldg., Johnstown, engr.

Pa., Johnstown—Election Nov. 5, $400,000 bonds for new paving, $450,000 bonds repaving streets as follows: Broad, $94,452, Washington, $41,240, Vine, $41,240, Main, $33,300, Railroad, $25,560, Horner, $61,200, Baumer, $27,960, Maple, $25,680, Pine, $24,960, Walnut, Franklin, Jackson, Bedford, Poplar, Adams and Clinton, $90,000. H. L. Wilson, 184 Worth St., engr.

North Carolina—State Highway Comn., Raleigh, plans grading, draining and paving with some type hard surface 8.9 mi. road from Browns Mill to Mecklenburg Co. line, State Project 676, Cabarrus Co., $300,000, 1 mi. through corporate limits of Waxhaw, State Project 677, Union Co., $35,000; grading draining and topsoiling 6 mi. from Rocky River Bridge toward Wadesboro State Project 678, Anson Co., $35,000; clearing, grubbing, grading, draining, bridging and surfacing 14 mi. from Rockingham to Central Highway, near Hoffman, State Project 679, Richmond Co., $125,000; grading, draining, bridging and surfacing 9.5 mi. from Taylorsville to Iredell Co. line, State Project 680, Alexander Co., $54,000. C. M. Upham, state highway engr.

North Carolina—State Highway Dept., Raleigh, plans grading, draining, clearing, grubbing, bridging and topsoiling 18.6 mi. from Bakersville to Tennessee State Line, Project 683, Mitchell Co., $100,000; grading, draining and surfacing 5 mi. from Alexander Co. line toward Lenoir, Project 682, Caldwell Co., $30,000; grading, draining and paving with some type of hard surface 2.5 mi. from Caldwell Co. line toward Taylorsville, Project 681, Alexander Co., $100,000. C. M. Upham, state highway engr.

North Carolina—State Highway Dept., Raleigh, plans clearing, grubbing, grading, draining, bridging and surfacing 21 mi. road from end of Project 583 to Marion, State Project 684, McDowell Co., $150,000, 12.7 mi. from Marion to Rutherford Co. line, State Project 685, McDowell Co., $100,000, 12.8 mi. from McDowell Co. line to Rutherfordton, State Project 686, Rutherford Co., $100,000, 10 mi. from Micaville to Government Reservation Rd., State Project 687, Yancey Co., $80,000; paving with concrete or some type of asphalt 12 mi. Old Federal Aid Project 90, State Project 694, Pamlico Co., $340,000. C. M. Upham, state highway engr.

Florida — State Rd. Dept., Tallahassee, making plans and opens bids early in November, surfacing 12.8 mi. Rd. 1 from Baldwin east, Duval Co., bituminous macadam or bituminous concrete on rock base. $380,000.

Ill., Brookfield—Making plans paving various streets, vitr. brick or asphalt on concrete base. $100,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., East St. Louis—Plans paving Columbia Pl., asphalt on concrete base. $28,500. A. O'Leary, comr. Engineer not selected.

Ill., East St. Louis—Plans paving State St., asphalt on concrete base. $29,000. A. O'Leary, comr. Engineer not selected.

Ill., East Moline—Making plans paving various streets, concrete, monolithic-concrete, asphalt or vitr. brick, $175,000. L. E. Sneer, city engr.

Ill., Joliet—Making plans paving Buell Ave., asphalt on concrete base. $35,000. R. S. Calkins, Joliet, Natl. Bank Bldg., engr.

Ill., North Chicago—Making plans paving Lincoln Ave., asphalt on concrete base. $100,000. O. M. Powell, City Hall, engr.

Ill., Oak Park—Making plans paving alley on Jackson Blvd. and Van Buren St., vitr. brick on concrete base. $27,000. C. E. White, city engr.

Wis., Stevens Point—Bd. Pub. Wks. takes bids in December, grading, paving, curbing and guttering Division, Pine and 5 other streets. $100,000. W. F. Reichardt, city engr.

Mont., Great Falls—Cascade Co. plans election $250,000 bonds, grading Great Falls-Helena River Rd. F. C. Roosevelt, aud.

Mo., Kansas City—Making plans paving Lydia St., 1,996 sq.yd. concrete. $40,000. R. Waddell, City Hall, engr.

Mo., St. Joseph—Making plans grading and paving Miller and Ashland Aves., concrete. $31,000. W. K. Seitz, City Hall, engr.

Tex., Austin—Travis Co. plans election $66,868 bonds grading, surfacing and topsoiling 75 mi. highways and main county roads, 16 ft. surfacing, 24 ft. shoulder to shoulder. O. Leonard, co. engr.

Tex., Crockett—Houston Co. rejected bids grading, surfacing and draining 13.73 mi. State Highway 21. $114,013 including 10% for engineering and contingencies. Work will be readvertised. G. W. Courter, Marlin, engr. Noted Oct. 6.

Tex., Eastland—Eastland Co. making plans clearing, grubbing, grading, surfacing and draining State Highway 1, from Cisco to Ranger, 2,675 cu.yd. solid rock, and 2,227 cu.yd. loose rock excav., 8,370 ton asphaltic concrete, 333.5 cu.yd. 1:2:4 and 46.6 cu.yd. 1:2½:5 concrete, 3,848 cu.yd. sledge stone, 29,524 cu.yd. crushed rock, 26,914 lb. reinforcing steel. $402,116. W. R. Eccles, co. engr.

Tex., Franklin—Robertson Co. plans grading and graveling roads. $150,000. J. Reid, co. judge.

Tex., La Grange—Fayette Co. rejected bids received Sept. 24, gravel surfacing 11.27 mi. Highway 3. Work will be readvertised. A. Schlafli, Schulenburg, Co. engr. Noted Oct. 6.

Tex., Laredo—Webb Co. making plans topping with bituminous material 6 mi. State Highway 12, 16 ft. wide. $45,000. T. R. Spence, co. engr.

Tex., McKinney—Collin Co. making plans gravel surfacing and draining 1.8 mi. State Highway 1, frof Hunt Co. line to Rockwall Co. line, 16 ft. wide. $70,000. F. W. Cawthon, co. engr.

Utah, Nephi—Juab Co. sold $225,000 bonds and has $100,000 on hand which will be duplicated by Federal Government making $650,000 for road work, including 16 mi. road from here to Utah Co. line, 18 ft. wide, concrete or other hard surface; grading and graveling 9 mi. from Levan south and west. E. S. Hoyt, clk. Projects under direction of Utah State Rd. Com. Noted Sept. 29.

Ont., Ottawa—Making plans paving Wellington St. from Garland to Parkdale Sts., 22,000 sq.yd. asphalt and woodblock on concrete base. $112,000. A. F. Macallum, city engr.

BIDS DESIRED

Massachusetts—Oct. 25, by State Highway Dept., Boston, paving 34,440 ft. rein-concrete and bituminous highway in Danvers and Topsfield, 20 ft. wide, $300,000; 8,650 ft. gravel highway in Ashfield, 18 ft. wide, $40,000; 1,412 ft. rein. concrete or bituminous concrete highway in Boston, 20 ft. wide, $12 000. A. W. Deane, 413 State House, Boston, engr.

N. Y., New York—Oct. 20, by Park Bd. at office Dept. Parks, Municipal Bldg., paving public driveway between 155th and Dyckman Sts., sheet asphalt on concrete foundation. F. B. Gallatin, pres.

Pa., Phila.—Oct. 18, by F. H. Caven, dir. Pub. Wks., paving and grading York Rd., Florence 68th Torresdale and Henry Aves., Spencer, Palethrop, Marshall, Lambert, Hancock, Howard, Diamond, 19th, 16th, Penthridge, Ridgewood, Benson, Arlington, Berks, 52nd, 53rd, McClellan, Tree, Aruber, Coral, Cumberland, 22nd, Rector, 27th, 24th, 20th, 15th, Westmoreland, Bristol, Cayuga, and Pine Sts., etc., 6,671 sq.yd. vitr. brick, 12,368 sq.yd. granite block, 31, 674 sq.yd. asphalt, 12,251 sq.yd. concrete base, 74,492 cu.yd. earth excav., total $272,080.

W. Va., Lewisburg—Nov. 1, by Greenbrier Co., grading and draining 7½ mi. Blue Sulphur Turnpike from Palestine to Busters Store at Blue Sulphur Springs. J. W. Rader, co. engr., adv. this issue.

North Carolina—Oct. 20, by State Highway Comn., Raleigh, grading, draining, bridging and surfacing 4.3 mi. State Project 564, Hyde Co., 137,700 cu.yd. borrow excav., 1,172 ft. 18-24 in. concrete pipe, 11 350 cu.yd. topsoil, 466 cu.yd. Class A and 70 cu.yd. Class B concrete, 34 280 lb. reinforcing steel, 390 ft. untreated timber piles, $100,000, 9.83 mi. State Project 515, Nash and Franklin Counties, 5 acres clearing and grubbing, 58,700 cu.yd. common excav. and borrow, 1,574 ft. 15-24 in. concrete pipe, 25,900 cy.yd. topsoil, 580 cu.yd. Class A and 103 cu.yd. Class B concrete, 74,000 lb. reinforcing steel, 860 ft. untreated timber piles, etc., $54,000; grading, draining and topsoiling 11.22 mi State Project 513, Nash Co., 8 acres clearing and grubbing, 66,600 cu.yd. common excav. and borrow, 1,727 ft. 18-24 in. concrete pipe, 2,000 cu.yd. Drainage Ditches, 29,400 cy.yd. topsoil 120 cu.yd. Class B concrete, $40,000. C. M. Upham, state highway engr. Noted Aug. 25.

N. C., Rocky Mount—Oct. 18, 20,432 lin. ft. curbing 66,941 sq.yd. asphalt or bituithic on concrete base. J. J. Wells, Rocky Mount, engr. adv. this issue.

Street and Roads (Continued)

Louisiana—Oct. 24, by Bd. Dir. State Highway Dept., Maison Blanche Annex, New Orleans, 4.84 mi. Alexandria-Melville Highway, in Avoyelles Parish, from Virginia to line of St. Landry Parish, also 14.51 mi. Melville-Alexandria Highway, in St. Landry Parish, from Palmetto to line of Avoyelles Parish. D. Buie, New Orleans, state highway engr.

O., Lakewood—(Cleveland, P. O.)—Oct. 22, by Bd. Educ., Warren Rd., grading, seeding, sodding, tiling lawn areas, building retaining wall and steps also laying brick driveways at Horace Mann School. $40,000. C. W. Hopkinson, Rose Bldg., Cleveland, engr.

O., Lakewood (Cleveland P. O.)—Oct. 22, by Bd. Educ. grading, seeding, sodding, tiling of lawn areas and laying cement walks and driveways, Emerson Jr. High School. $35,000. C. W. Hopkinson, Rose Bldg., Cleveland, engr.

Okla., Sulphur—Oct. 17, by City clerk, improving various streets, 18,315 sq.yd. 2 in. rock asphalt, 5,604 cu.yd. macadam excav., 864 lin. ft. combination curb and gutter, 1,640 lin. ft. single curb, 717 lin. ft. cement leader, 2,416 ft. 10-18 in. vitr. pipe, etc. E. T. Archer Co., New England Bldg., Kansas City, Mo., engrs.

Cal., El Centro—Oct. 17, by Bd. Supervs. Imperial Co., paving with cement concrete or Willite, 617,000 sq.ft. Brawley Calipatria highway.

Cal., Los Angeles—Oct. 17, by Bd. Superv. Los Angeles Co., paving, curbing and guttering 5,118 ft. Firey Ave. from Covina to Foothill Blvds., 9,093 sq.yd. concrete paving, 8,855 lin.ft. cement curbing, 35,330 sq.ft. concrete guttering, 16,845 cu.-yd. earth excav., etc. Road Dept., Hall Records, engrs.

BIDS RECEIVED

R. I., Providence—Water Supply Bd. paving 4¾ mi. in Scituate, 450 ton asphalt, 1,600 cu.yd. concrete 51,000 sq.yd. bituminous macadam, 10,000 cu.yd. stone and 5,000 cu.yd. gravel foundation, 16,000 ton crushed stone base, 37,000 cuyd. earth and 15,000 cu.yd. rock rock excav., from Famiglietti Bros. Co., Bway., $238,500; J. Bristow, Narragansett Pier, $258,647; C. Bianchi & Co., Framingham, $266,778.

New York—H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, improving (1) 0.72 mi. Afton-Bainbridge, Highway 8075, Chenango Co., (2) 3.53 mi. Ticonderoga-Montcalm Landing, Highway 8073, Essex Co., (3) 1.09 mi. Little Falls-Stone House, Highway 8071 Herkimer Co., (4) 0.74 mi. Oxford-Chester, Highway 8076, Orange Co., (5) 1.07 mi Pearl River-New Jersey State Line, Highway 1604, Rockland Co., (6) 0.72 mi. Waterloo Village; North Rd.; Seneca Village Clinton St., Highway 1605, Seneca Co., (7) 6 mi. Corning-Hornby, Highway 1475, Steuben Co., (8) 4.16 mi. Hammondsport-Branchport, Part 1, Highway 8077, Steauben Co., (9) 7.13 mi. Port Jefferson-Riverhead, Part 3, Highway 8066 Suffolk Co., (10) 2.76 mi. Knollwood-Hawthorne, Westchester Co.; reconstructing (11) 2.91 mi. Rd. 5066, Rep. Contr. 3002, Cattaragus Co., (12) 4.51 mi. Rds. 105 and 1029, Rep. Contr. 3926, Schenectady Co., (13) 6.77 mi. Rd. 5215, Rep. Contr. 3014 Tioga Co., from D. J. Hoose, Oxford, (1) $50,957. A. Yesu & Son, 27 Carroll St., Binghamton (1) $52,-371. Stento & Serafini, 84 Court St., Binghamton. (1) $53,360. F. E. Ellis, Melrose, Mass., (2) $144,171. J. Johnson Constr. Co., 965 Abbott Rd., Buffalo, (2) $144,936. E. J. Anderson Co., 36 State St., Albany, (2) $145,606 (7) $134,025. L. D. Sullivan Co., Inc., Utica, (3) $37,182. J. B. Fazio, 4 Leonard St., Oneida, (3) $39,728. Koetteritz & Blakeslee, 547 East Main St., Little Falls (3) $39,853. Vonderborn & Rush, New York (4) $33,964. Armstrong & Trowbridge, Middletown, (4) $34 817. Schunnemunk Constr. Co., Highland Mills, (4) $35,915. C. Vanderbilt Genl. Contg. Co., West New Brighton, (5) $40,307. Sampson & Reuter, Elizabeth, N. J., (5) $40 682. G. M. Brewster & Sons, Tenafly, N. J., (5) $41,339. J. Johnson Constr. Co., 765 Abbott Rd. (6) $26,474. (8) $186,627. E. W. Foley Contg. Corp., Waterloo, (6) $26,959. J. E. Martin Constr. Corp., Utica, (6) $28,208. Sullivan & Di Pillo Constr. Co., Geneva, (7) $129 560. (8) $182,851. Horn & Devling, Galeton, Pa., (7) $134,132. J. J. Hart, Pittsburgh, (8) $188,722. World Industrials Corp., New York, (9) $242,722. Harrison Eng. & Constr. Corp., Ellicott Sq., Buffalo, (9) $242 841. (13) $198,319. F. Roeber Co., Inc., 507-5th Ave., New York, (9) $246,431. J. Dimando, Inc., 382 Mararoneck Ave., Mamaroneck, (10) $113,694. J. J. Bellotte & Sons, Constr. Co., Troy, (10) $113,818. Malloy & Murray Contg. Co. & Petrillo Bros., Yonkers, (10) $116,-966. A. A. Howard, Fairport, (11) $64,514. E. Gould, Brooklyn, (11) $65,140. Greenfield Constr. Co., 89 Main St., Hornell, (11) $65,408. Malloy Constr. Co., Schenectady, (12) $80,046. R. Hopkins, 824-2nd Ave. Troy, (12) $82,493. Amer. Pipe & Constr. Co., 112 North Broad St., Phila., (12) $85,031. Dale Eng. Co., Mann Bldg., Utica, (13) $193,679. Hendrickson-McCabe Constr. Co., Syracuse, (13) $196,105. Noted Sept. 29.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., regulating, grading and paving, etc. Rockaway Blvd. from New York Ave. to Nassau Co. line, from A. Paino, 2016 East 14th St., Brooklyn, $268,480; A. A. Johnson, Queens Blvd., $269,390; Bouough Asphalt Co., 1301 Metropo itan Ave., Brookiyn, $316,657. Noted Sept. 29.

N. Y., New York—H. H. Curran, pres. Manhattan Boro. Municipal Bldg., regulating and repaving (1) Commerce St., (2) Minetta Lane, etc., (3) East 56th St., (4) 57th St., (5) Liberty St., from Sicilian Asphalt Paving Co., 41 Park Row, (1) $7,125, (2) $7,383, (3) $15,308, (4) $22,319; Interboro Asphalt Co., 233 Bway., (1) $7,140, (2) $7,725, (3) $14,532, (4) $22,217; Brusstar Constr. Co., Harlem River and 150th St., (1) $7,945, (2) $8,778, (3) $15,-327, (4) $23,019; Uvalde Asphalt Paving Co., 1 Bway., (1) $8,075. (2) $8,661; C. D. Beckwith, 301 West 108th St., (3) $16,-413, (4) $22,909; Cleveland Trinidad Paving Co., Flushing, (3) $17,279, (4) $25,681; M. I. Sachs, 246 South 9th St., Brooklyn, (5) $22,856; P. J. Kearns Contg. Co., 2306 Creston Ave., (5) $23,224; J. Meehan & Son, 74 Courtlandt St., (5) $23,843. Noted Sept. 29.

N. Y., New York—Park Bd. at office of Dept. of Parks, Municipal Bldg., furnishing, setting and resetting curbstones and otherwise improving public driveway bebtween 155th and Dyckman Sts., from W. P. McDonald Constr. Co., 17 West 42nd St., $54,925; T. Crimmins Contg. Co., 126 East 59th St., $57,765; P. J. Kearns Contg. Co., 3206 Creston Ave., $67,067. Noted Sept. 29.

Kentucky—State Highway Dept., Old Capitol Bldg., Frankfort, shaping, draining and surfacing 1.4 mi. street in town of Stearns, McCreary Co., (a) bituminous macadam, (b) rock asphalt, (c) brick, from Connelly Constr. Co., Somerset, (a) $45,638, (b) $53,315, (c) $61, 805, G. M. Eady, Brook St., between A and Lee Aves., Louisville, (a) $59,702, (b) $68,608, Mills & Williams, Winchester, (b- $59,197, Tevis & Ingram, Danville, (c $58,252, Merrill Road Constr. Co., Vol. Life Bldg., Chattanooga, Tenn., (c) $61,805; 11mi. Brookville-Newport Rd., Bracken Co., from Godfrey & Milles, Brooksville, $60,114. S. M. Billiter, 407 Mer. Lib. Bldg., Covington, $62,312; 4.5 mi. Brookeville-Maysville Rd., Bracken Co., from Miler & Connelly, Brooksville, $47,111, F. A. Lervin, Latonia, $48,181, M. J. McClusky, Louisville, $60,737. Noted Sept. 22.

Ohio—Dept. Highways & Pub. Wks., Columbus, grading and paving 0.32 mi. Sect. "Medina North" Cleveland-Wooster Rd., Barber-Fortis Co. Warren Monolithic brick, $22,879, bituminous macadam, $18,-295. rein-con., $19.884; G. S. Mellert, Medina, monolithic brick. $23,562. bituminous macadam $18,858 rein-con., $19 991; 0.41 mi. Sect. "Seville" Cleveland-Wooster Rd., Medina Co., R. U. An, Mansfield. brick, $30,998. bituminous macauam. $23,-215, Dorris Constr. Co., Akron, brick, $31,883, rein-con., $25,582, F. J. Mann & Sons, Ashtabula, brick, $31,884. rein-con., $26,647. Peters & Beard Wadsworth, bituminous macadam, $23,443.

O., Lakewood—(Cleveland P. O.)—Paving Richland Ave. from Madison Ave. to Fisher Rd., 3,800 cu.yd. earth excav., 3,650 ft. stone curb and 3,975 sq.yd. asphalt, from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria. $32,229; Cleveland Trinidad Paving Co., The Arcade, Cleveland, $34,412.

O., Lakewood—(Cleveland, P. O.)—Paving (1) Lakeland Ave. from Madison Ave. to West Adams St., 4,130 sq.yd. asphalt, etc., (2) Parkwood Ave. from Franklin to West Madison Aves. also Chesterland Ave. from Madison Ave. to Fisher Rd., 5,200 sq.yd. asphalt and 4,800 ft. stone curb, etc., from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, (1) $29,554, (2) $55,-735; Cleveland Trinidad Paving Co., The Arcade, Cleveland, $31,458, (2) $56,067.

Kan., Troy—Doniphan Co., paving, grading, draining and building bridges on 2¼ mi. Pike's Peak Highway, Federal Aid Project 87, concrete, from P. P. Young, St. Joseph, Mo., $98,553. Noted Sept. 8.

Tex., Livingston—Polk Co. clearing, grubbing, grading, surfacing and draining 9.7 mi. State Highway 35, from N. B. Gregory, Texarkana, $151,299; Smith Bros., Crockett, $172,457. Noted Sept. 15.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co., paving, curbing, guttering and building culverts on 7 streets in Rd. Dist. 198, from Fleming Constr. Co., 105 North Park Ave., Pomona, $70,000; W. D. McCray, 424 Amer. Bank Bldg., $74,000; P. L. Ferry, 614 East Acacia St., Glendale, $80,000. Noted Sept. 22.

Cal., San Diego—Paving Lytton, Chatsworth, Catalina, Voltaire and Rosecrans Sts., (1) 14,440 cu.yd. excav., (2) 14,002 cu.yd. embankment, (3) 384,225 sq.ft. paving, (a) 1½ in. Warrenite bithulic wearing surface on 3 in. asphaltic concrete base, (b) ¾ in. asphaltum and stone screenings wearing surface on 5 in. Portland cement concrete base, (4) 1,994 lin.ft. concrete curb, from Warren Constr. Co., San Francisco, (1a) $.946, (2) $.44, (3a) $.255, (4) $1.13, total $123,910; G. R. Daley, McNeece Bldg., San Diego, (1) $.81, (2) $.12, (3b) $.274 (4) $.80, total $124,820. Noted Aug. 11.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Div. Highways, State House, Boston, 7,400 ft. bituminous macadam highway in Agawan, 18 ft. wide, to Hassan Paving Co., 17 Federal St., Worcester, $38,704; 8,450 ft. gravel highway in Gill, 18 ft. wide, to A. Pallatto, Dracut $30,767; 1,750 ft. bituminous macadam highway in Bernardston 18 ft. wide, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $14,021.

Massachusetts—State Highway Comm., Boston, paving 4,140 ft. bituminous macadam highway in Egremont, 18 ft. wide, to D. S. McGrath, Inc., Summer St., Adams, $36,422; 1,350 ft. bituminous macadam highway in Seekonk, 18 ft. wide, to Germain & Staples, North Attleboro, $7,493.

Mass., Boston—Paving Beacon St. from Market beyond Parsons St., asphaltic concrete, to J. Kelly Co., 5 Ulmer St., Roxbury, $41,201.

R. I., Providence—Paving 4 mi. Danielson Pike, macadam with topeka top surfacing, to Lane Constr. Co., 35 Colony St., Meriden, Conn.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, regulating and paving Roosevelt Ave. from 5th St. to Junction Ave., to H. J. Mullen Contg. Co., Fulton St. and Twombly Pl., Jamaica, $70,547; Roosevelt Ave., from Junction Ave. to angle point east of Alburtis Ave., to Trinidad Paving Co., Flushing, $17,702. Noted Oct. 6.

N. J., Jersey City—Paving 18 blocks Brunswick St. from 10th to Grand Sts., to Willite Rd. Constr. Co. of Michigan, 51 Chambers St., New York, 87% of engineers estimate ($64,540); 6 blocks Wade St., 4 blocks Cator Ave. between Fowler St. and West Side Ave. and 6 blocks Woodlawn Ave., sheet asphalt on concrete base to W. T. S. Critchfield, 14th St., Hoboken, 79.9% ($35 361), 78¾% ($42,076) and 79.9% ($29,843) respectively. Noted Sept. 1 and 22.

Pennsylvania—State Highway Dept., Harrisburg, 10,576 ft. Armstrong Co., to D. McNeil Co., 6120 Jenkins Arcade Bldg., Pittsburgh, $99,210; 24,787 ft. Crawford Co., to S. Gamble Co., Glass St., Carnegie, $213,164; 5,919 ft. Beaver Co., to S. D. Markley, 1301 Allegheny Ave., New Brighton, $53,226; 2,100 ft. Jefferson Co., to J. Weisner, St. Marys, $20,279; 2,545 ft. Beaver Co., to H. V. Kirker Co., 317 9th St., Beaver Falls, $23,120; 1,613 ft. Mifflin Co., to J. M. Hutchinson, Greenwood Ave., Altoona, $11,371; 18,161 ft. Crawford Co., to D. Schoentag, Myersdale, $141,171; 3,220 ft. Lawrence Co., to McDermott & Hannon, Niles, O., $52,510; 7,014 ft. Beaver Co., to J. C. Devine Co., Alliance, O., $71,914; 5,063 ft. Beaver Co., to G. S. White, 7119 Jenkins Arcade Bldg., Pittsburgh, $55,132; 1,635 ft. Erie Co., to Warren Bros., 9 Cambridge St., Boston, Mass., $27,824.

Virginia—State Highway Dept., Richmond, having 6.5 mi. State Rd. 21, between Greenwich and Milford Mill, bituminous macadam, State Project 130, Prince William Co., to Hyde & Baxter, 1311 G St., N. W., Wash., D. C., $132,244; 3.85 mi. State Rd. 10, west of Farmville, concrete, State Project 76A, Prince Edward Co., to W. W. Boxley & Co., Roanoke, $101,688; 12.9 mi. between Jackson Ferry and Hillsville, water-bound macadam, State Project 111, Carroll Co., to Albert Bros., Shaws-

Streets and Roads (Continued)

ville, $160,000; top soiling 8.26 mi. State Rd. 12, between Five Forks and Patricks Co. line, State Project 133, Henry Co., to Jamison Bros., Rustburg, $39,607. Noted Oct. 6.

North Carolina—State Highway Comn., at div. office Asheville, clearing, grubbing, draining, grading and topsoiling (1) 12.98 mi. State Project 545, Graham Co., (2) 12.4 mi. State Project 548, Clay Co., to L. J. Smith Constr Co., Charlotte, (1) $131,450, (2) $67,383; clearing, grubbing, draining, grading, and gravel surfacing 10.33 mi. State Project 534, Cherokee Co., to Wells Constr. Co., Asheville, $62,080; clearing grubbing, grading, draining and paving 13.8 mi. State Project 557, Madison and Yancey Counties, to R. H. Wright & Sons, Asheville, $178,595. Noted Sept. 29 and Oct. 6.

North Carolina—State Highway Dept., at div. office Charlotte, grading, draining and paving with topeka on 5 in. concrete base, 3.02 mi. State Project 630 A, Gaston Co., to W. F. McCanless, Charlotte, $89,440. Noted Sept. 29.

N. C., Durham—Grading, draining, curbing and paving from 45,000 to 70,000 sq. yd. streets, to Murray Const. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., $280,000. Noted Aug. 18.

Kentucky—State Highway Dept., Old Capitol Bldg., Frankfort, shaping, draining and surfacing with bituminous concrete 7 mi. Richmond-Lexington Rd., Madison Co., to Carey-Reed Co., 229 West Short St., Lexington, $230,111; shaping and draining 8.9 mi. Louisville-Paducah Rd., Union Co., to Costello Bros. & Mays, Knoxville, Tenn., $36,041, 9.8 mi. Pikeville-Williamson Rd., Pike Co., to Dempster Constr. Co., 721 North Central St., Knoxville, Tenn., $246,345, 12.7 mi. Louisville-Paducah Rd., Breckenridge Co., to J. C. Williams, Winchester $114,470, 7 mi. Louisville-Paducah Rd., Hancock Co., to J. Williams, Winchester, $85,765, 18.7 mi. Mayo Trail, Lawrence Co., to R. G. Hill & Co., New Tazewell, Tenn., $246,115. Noted Sept. 22.

La., Hahnville—Police Jury St. Charles Parish, 6 mi. gravel road on east bank of river from Destrahan to St. John Parish line, to Burton & Bolan, Waggaman, $39,618.

Tenn., Erwin—For 20,000 sq.yd. 2 in. asphalt on 5 in. concrete base, to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, $60,000. Noted July 7.

O., Cleveland—Paving Elbow Bassett Rd., to Baldwin Bros., 4500 Euclid Ave., $105,537. Noted Oct. 6.

O., Euclid—Paving Shoreham Dr., asphalt, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $23,748; sewer, to A. C. Hattendorff, Stop 14, $4,201. Noted Sept. 29.

O., Osborn—Osborn Removal Co., grading, graveling, etc., to Geiger & Dill, 409 Dayton Savings & Trust Bldg., Dayton, $57,800. Noted Sept. 22.

Mich., Detroit—To Detroit Asphalt Paving Co., 20 McGraw Bldg., paving Burnette Ave., $37,419, Morrell Ave., $17,111, McDonald Ave., $29,464, Scovel Pl., $7,388; Reading Corp., 413 West Fort St., Alley 1378, $7,071, Alley 1382, $2,724; F. Porath, Jr., 305 Free Press Bldg., Alley 1379, $4,817; T. E. Currie, 20 McGraw Bldg., Alley 1380, $4,118; A. F. Lester, 309 Sun Bldg., Alley 1381, $3,394, Alley 1383, $2,391, Alley 1387, $2,237; DeLisle & Cooper, 402 Ford Bldg., Alley 1384, $2,624; G. Nunn, 6409 3rd Ave., Alley 1385, $2,741, Alley 1389, $3,298; J. Porath, 34 McGraw Bldg., Alley 1386, $2,615; R. J. Powelson Co., 6445 Iroquois Ave., Alley 1388, $3,720. Noted Sept. 29.

Mich., Detroit—To A. F. Lester, 309 Sun Bldg., paving Alley 1390, $7,322, Alley 1394, $1,607, Alley 1395, $7,174, Alley 1397, $1,598; DeLisle & Cooper, 402 Ford Bldg., Alley 1391, $4,781; R. J. Powelson Co., 6445 Iroquois Ave., Alley 1392, $3,202; Otis Cement Constr. Co., 806 Hammond Bldg., Alley 1393, $1,809; G. Nunn, 6409 3d Ave., Alley 1396, $2,167; F. Porath, Jr., 305 Free Press Bldg., Alley 1398, $1,870; Cleveland Trinidad Paving Co., 402 Hammond Bldg., Wabash Ave., $15,116. Noted Oct. 6.

Illinois — Dept. Pub. Wks. and Bldgs., Div. Highways, Springfield, paving (1) 4.18 mi. Route 3, Sect. 53, Greene Co., (2) 7.68 mi. Route 3, Sect. 6 Cass Co., (3) 6.71 mi. Route 4, Sect. 3, Will Co., (4) 7.86 mi. Route 4, Sect. 15, McLean Co., (5) 6.1 mi. Route 5, Sect. 17, Winnebago-Stephenson Co., (6) 4.49 mi. Route 5, Sect. 18, Stephenson Co., (7) 2.37 mi. Route 5, Sect. 6-A, Cook Co., (8) 2.61 mi. Route 5, Sect. 7, Cook Co., (9) 0.46 mi. Route 6, Sect. 7-A, De Kalb Co., (10) 6.78 mi. Route 10, Sect. 10, Piatt-Macon Counties, (11) 3.64 mi. Route 15, Sect. 2, St. Clair Co., (12) 4.83 mi. Route 15, Sect. 3, St. Clair-Clinton Counties, (13) 6.51 m. Route 18, Sect. 11, Kane-Du Page Counties, (14) 6.81 mi. Route 23, Sect. 1, La Salle Co., (15) 3.43 mi. Route 23, Sect. 28, De Kalb Co., (16) 7.49 mi. Route 25, Sect. 6, Clay Co., (17) 5.24 mi. Route 28, Sect. 1, Knox Co., (18) 4.73 mi. Route 28, Sect. 2, Knox Co., (19) 4.36 mi. Route 31, Sect. 7, Brown Co., (20) 1.11 mi. Route 37, Sect. 5, Franklin Co., (21) 1.44 mi. Maint. 35 and 36, Cook Co., (22) 0.33 mi. Maint. C, Cook Co.; grading (23) 1.52 mi. Route 18, Sect. 13-A, Kendall Co., (24) 3.17 mi. Route 18, Sect. 14-A, Kendall Co., to J. Kesl & Son, Edwardsville, (1) $91,773, Cameron & Joyce, Keokuk, Ia., (2) $160,243. Powers-Thompson Constr. Co., Joliet, (3) $151,704. H. K. Rhoades, Lincoln, (4) $148,526. C. C. Vanderboom & Sons, Ripon, Wis., (5) $141,177, (6) $98,823. C. E. Giertz & Son, Elgin, (7) $46,400, (8) $57,128. W. A. Jaicks, 232 East Pearson St., Chicago, (9) $9,925, (13) $134,249, (15) $77,760. C. W. Clarke, 7-11 Staats-Raynes Bldg., Clinton, Ind., (10) $131,990. Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, Mo., (11) $81,758, (12) $110,060. Keokuk Quarry & Constr. Co., Keokuk, Ia., (14) $158,795, (19) $99,483. Stressenreuter Bros., 3020 South Halsted St., Chicago, (16) $166,178. L. S. Kuhn, Bloomington, (17) $115,747, (18) $105,518. Shidler Constr. Materials Co., Kankakee, (120) $24,349. J. A. Sackley, 133 West Washington St., Chicago, (21) $33,566. Farmer & Laing, Highland Park, (22) $6,227, B. F. Harrison, Poor Farm Rd., Decatur, (23) $5,345, (24) $45,659. Noted Aug. 18 and Sept. 1.

Ill., Decatur—Paving various streets asphalt on concrete base, to Birt & Driscoll, Decatur, $30,000.

Ill., Elgin—Resurfacing various streets. Dist. 1, 43,000 sq.ft. asphalt, to Farmer & Laing, Highland Park, $35,394. Noted June 9.

Ill., Ottawa—Paving various streets Portland cement on concrete base, to Powers-Thompson Constr. Co., Joliet, $52,420. Noted Sept. 15.

Ia., Des Moines — Paving Court Ave., portland cement, to Lytton Constr. Co., Securities Bldg., $3.05 per sq.yd.; West Locust St., T. Carey & Sons Youngerman Bldg., $25,000; Jackson Ave., class D brick on concrete base, Wright Constr. Co., 211 Flynn Block, $3.84 per sq.yd.

Ia., Waterloo—Paving portions Lyndale and Oakland Aves., asphaltic concrete, to Bryant Paving Co., Black Hawk Bldg., $3.31 per sq.yd., total $78,000. Noted Sept. 15.

Minnesota—State Highway Dept., 920 Guardian Life Bldg., St. Paul, improving 5.65 mi. State Project 10-37, east of Wayzata, Hennepin Co., to Day Deveau Motor Transport Co., Quincy and Sumner Sts., Minneapolis, $31,897. Noted Sept. 16.

Minn., Brainerd—Crow Wing Co., gravel surfacing State Rd. 3, Job 2004, to Minnesota Rural Express Co., Montivedo, $12,000; State Rd. 8, Job 1910, to Sewell & Patton, Ironton, $5,000; State Rd. 1, Job 1908, to Minnesota Rural Express Co., Montivedo, $4,000; grading State Rd. 1, Job 2105, to P. W. Roark Constr. Co., Thief River Falls, $12,500. Noted Aug. 4.

Kan., Emporia—Lyons Co. grading and draining 4.05 mi. Santa Fe Trail, Sect. A, 18 ft. wide, to List & Westherly, Kansas City, Mo., $138,858; 5.988 mi. Santa Fe Trail, Sect. D, also Dry Creek Bridge, to Maxwell Constr. Co., Columbus, $26,056 and $8,330 repectively; Ludy Creek Bridge Sect. K, to W. M. Grimmitt, Americus, $5,210; Beaver Creek Bridge, Sect. K, to C. C. Baker, Humboldt, $2,600. All Federal Aid Project 30. Noted Sept. 8.

South Dakota—State Highway Comn., grading and draining 14.6 mi. Federal Aid Project 83, 24 ft. wide, Kingsbury Co., to L. E. Gage, 1408 South Glendale Ave., Sioux Falls, $24,897.

S. D., Watertown—Paving Maple St., N., and 3rd St. N. W., 16,000 sq.yd. concrete, to C. H. Atkinson Paving Co., Watertown, $2.62 per sq.yd., total $54,403. Noted Aug. 11.

Mo., Jefferson City—Surfacing High St., bituminous macadam on concrete base, to J. Pope, Jefferson City, $32,684. Noted Sept. 22.

Mo., Maplewood—Paving Zypher Pl., to C. M. Berry, Webster Groves, $25,000. Noted Oct. 6.

Tex., Cameron—Milam Co. clearing, grubbing, grading, surfacing and draining 8.21 mi. State Highway 44, to Kurkendall & Shelton, Temple, $43,842. Noted Oct. 6.

Colorado—State Highway Dept., Denver, gravel surfacing 3.158 mi. road between Craig and Hayden, Federal Aid Project 188, Moffat Co., to Hinman Bros., Kremmling, $24,761. Noted Oct. 6.

Idaho, Payette—Grading, draining and paving Impvt. Dist., 5, to C. H. Helmer, Payette, $31,000.

California—State Highway Dept., 515 Forum Bldg., Sacramento, paving with asphaltic concrete 1.9 mi. highway between Tuolumne River Bridge and 1.2 mi. north of Ceres, Stanislaus Co., to Standard Paving Co., Modesto, 2,100 tons asphaltic concrete, $6.74 per ton, total $14,154; 10 mi. highway between south line Sect. 19 and 13 mi. south of Bakersfield, Kern Co., to Southwest Paving Co., Washington Bldg., Los Angeles, 10,680 tons asphaltic concrete $4.49 per ton, total $47,593; grading 10 mi. highway, San Luis Obispo Co., to Blake & Heany, Oakland, 169,500 cu.yd. excav., $0.62 per cu.yd., 1,750 cu.yd. Class A Portland cement concrete (in culverts and monuments), $23, 3,000 cu.yd. rip-rap slope pavement, $1.50, total $161,712; paving 15.7 mi. highway between Summit and Victorville, San Bernardino Co., to R. T. Shea & Co., Riverside, 62,000 cu.yd. excav., $0.90, 55 cu.yd. Class A Portland cement concrete (in culverts and monuments), $30, 50,000 ton broken tsone pavement, $3, 700 ton oil asphalt Grade E $17.50, total $226,219. Noted Sept. 22.

Cal., Huntington Beach—Paving 2nd and 3rd Sts., Lake Ave. and alleys in blocks 104, 203 and 204, to S. Finley, Santa Ana, $45,439.

Que., Montreal—to Duranceau & Duranceau, 152 Hamilton St., sidewalks on Walkely and Mozart Aves., $10,432; to Rendeau & Culier, Montreal, St. Charles, Lasalle, Sacre Coeur, St. Lawrence and Amherst Aves., $17,837. Noted Sept. 22.

Industrial Works

PROPOSED WORK

N. Y., Brooklyn—Goetz Co., Livingston St., soon lets contract 10 story, brick, steel and concrete warehouse and office addition, $750,000. Ballinger Co., 47 West 34th St., New York, archts. and engrs.

N. Y., Utica—State Hospital Comn., Capitol, Albany, soon takes bids 2 story, 70 x 111 ft. cold storage building and storehouse, brick and steel, also 1 story, 38 x 155 ft. kitchen building, rein.-con. and brick, concrete foundations, at Marcy Div. State Hospital, here. $130,000 and $84,000 respectively.

N. J., Secaucus—Fulton Lumber Terminal Co., 21 East 40th St., New York, having plans prepared by Andrews, Tower & Lavelle, archts. and engrs., 21 East 40th St., New York, brick, steel and concrete terminal, rein.-con. flooring, concrete pile foundation, here. $500,000.

Pa., Johnstown—Peris Soap Products Co., South Sheridan St., plans 3 story, 80 x 320 ft. concrete, brick and steel factory, rein.-con. flooring, South Sheridan St., $150,000.

Pa., Phila.—Plans stables and repair shops for Police Dept. $250,000. Address F. M. Cortelou, dir. Police Dept.

O., Alliance—Alliance Machine Co., South Mahoning Ave., plans 1½ story, 50 x 250 ft. forge factory, also pattern shop and improvements to present plant. $100,000.

O., Cleveland—R. B. Mehling Co., 1269 East 105th St., plans 2 story, 70 x 120 ft., brick and steel garage and commercial building, plain foundation, Hayden Ave. near Woodward Rd. $60,000. Private plans.

O., East Cleveland (Cleveland P. O.)—Austin Co., 16112 Euclid Ave., had plans prepared 1 story, 90 x 181 ft., brick, steel and concrete factory, rein.-con. flooring, plain foundation, 1615 Collamar Ave. $60,000. Private plans.

Mich., Detroit—Wolverine Storage Co., 210 Holden Bldg., had plans prepared, 8 story, 81 x 138 ft. rein.-con., brick and steel warehouse, rein.-con. flooring, concrete foundation, Jefferson and Terminal Aves., $300,000. Mildner & Eisen, 924 Hammond Bldg., archts.

Mich., Grand Rapids—Grand Rapids Show Case Co., Ottawa Ave. and Colbrook St. N. W., had plans prepared by H. L. Mead, archt., Grand Rapids, 5 story, 102 x 132 ft. rein.-con., brick, steel and stone plain foundation. $75,000.

Industrial Works (Continued)

Ill., Momence—Merit Tent & Awning Co. plans 2 story factory, brick and steel. $50,000. Architect not selected.

Ill., Zion—Zion Institutions and Industries, c/o W. H. Glendinnen, mgr., Administration Bldg., having plans prepared 1 story, 100 x 140 ft. garage, brick and steel. $50,000. Architect's name withheld.

Wis., Milwaukee—Amer. Hide & Leather Co., 658 Commerce St., plans tannery, including main building, power house and bark house, to replace plant recently destroyed by fire. Loss $1,500,000. Architect not selected.

Wis., Milwaukee—Ellis Lumber Co., 881 Clinton St., plans to rebuild upper portion of 2 story, 100 x 150 ft., brick and timber warehouse on Clinton St., which was recently destroyed by fire. $50,000. Architect not selected.

Minn., Minneapolis—Strutwear Knitting Co., c/o W. A. Strutwear, secy., 731 East 14th St., having plans prepared by Long, Lamreaux & Thorshov, archts., 1028 Andrus Bldg., 5 story, 160 x 250 ft., rein.-con., brick and tile factory, 11th Ave. S. and 6th St. $200,000.

Minn., Red Wing—W. F. Zimmerman interested in syndicate which plans to build vinegar factory. $150,000. Architect not announced.

Mo., Kansas City—Artzcraft Broom Co., 1423 Kansas Ave., having plans prepared by C. A. Smith, archt., Finance Bldg., 2 story, 65 x 127 ft., brick and steel factory, 14th St. and Kansas Ave. $75,000.

Neb., Omaha—Billings Dental Co., 17th and Douglas Sts., having plans prepared by C. W. Steinbough, archt., Brandeis, Theater Bldg., 3 story, 50 x 108 ft., rein.con., brick and stone factory and salesroom, 1804 Capital Ave. $80,000. E. P. Billings, mgr.

N. B., Bathurst—Bathurst Co., Ltd., having plans prepared by R. K. Meade & Co., engrs., 11-13 East Fayette St., Baltimore, Md., rein.-con. lime plant and rein.-con. coal pocket, here.

BIDS DESIRED

Conn., Stamford—Mathison Motor Sales Co. receiving bids 1 story, 75 x 154 ft., brick and steel garage and service station, rein.-con. flooring, plain foundation, Grove St. $40,000.

Pa., Phila.—Oct. 25, by M. O. Malley, 818 North 16th St., 1 story, 40 x 140 ft. brick and steel garage, rein.-con. flooring, plain foundation, 1522-24 Parrish St. $45,000. Clarke & Dudnick, Drexel Bldg., archts.

O., Piqua—Valdecker Packing Co. receiving bids 2 story, 29 x 49 ft., brick and steel plant, plain foundation. $40,000. Anders & Reimers, Erie Bldg., Cleveland, archts. and engrs.

Ill., Centralia—Oct. 20, Chicago, Burlington & Quincy R.R. Co., 542 West Jackosn St., Chicago, 1 story roundhouse, 105 ft. long, brick and mill construction also 400-ton concrete and steel coal chute, with mechanical equipment, here. $125,000. W. T. Kuausch, archt., c/o owner.

Wis., Milwaukee—A. C. Eschweiler, archt., 141 Wisconsin St., receiving bids 1 story, 120 x 120 ft. garage, brick and concrete, rein.-con. flooring, plain foundation, Masion and Van Buren Sts., for Dort Motor Co., 242 4th St. $40,000. Noted Sept. 29.

Mo., Kansas City—Oct. 18, by C. B. Sloan, archt., 321 East 11th St., 6 story, 60 x 110 ft., rein.-con. and brick warehouse, Independence St. and Benton Ave. for Perky Bros. Transfer & Storage Co., 2431 Prospect Ave., $175,000. Noted Sept. 15.

CONTRACTS AWARDED

Pa., Phila.,—T. Abbotts & Co., Barkley and Wayne Aves., 3 story, 73 x 170 ft. factory on 23rd and Allegheny Aves., to J. N. Gill & Co., Otis Bldg., $142,000.

Pa., Phila.—O. Nebel, 3860 Coral St., 3 story, 58 x 215 ft. rein.-con., brick and steel factory, rein.-con. flooring, plain foundation, 5th and Courtland Sts., to H. P. Schneider, 3713 York Rd., $100,000.

Pa., Pittsburgh — Fried & Reineman Packing Co., 1314 Spring Garden Ave., 2 story, 40 x 70 ft. brick and steel plant, to Cuthbert Bros., Bessemer Bldg., $50,000.

Pa., Wilkes-Barre—Hess-Goldsmith, 239 4th Ave., New York, 1 story, concrete, brick and steel mill, rein.-con. flooring, concrete foundation, Ash St. and Daisy Lane, to Nanticoke Constr. Co., Nanticoke, $165,000.

O., Canton—Amer. Mine Door Co., 9th St. and Robin Court, S. E., 1 story, 50 x 150 ft., brick and steel factory, plain foundation, to Austin Co., 16112 Euclid Ave., Cleveland, $75,000.

Ill., Sterling—P. W. Kempster will build 1 story, 50 x 142 ft., garage, brick and steel. $40,000. Owner will build. Noted Oct. 6.

Wis., Kenosha—Sommers Farm Co., c/o P. J. Myers, Main St., Racine, 1 story, 44 x 110 ft. warehouse, concrete, rein.-con. flooring, plain foundation, south of city limits, here, to J. Sorenson, 1805 West 6th St., Racine. $40,000.

Wis., Madison—University of Wisconsin, 1 story addition to service building and electric substation, brick and concrete, rein.-con. flooring, plain foundation, to J. Finndorff & Sons, West Wilson St., $66,366. Noted Oct. 6.

Wis., Milwaukee—C. Kalinowski, 1178 7th Ave., 2 story, brick and concrete bakery, rein.-con. flooring, plain foundation, 8th Ave., to J. Czaplewski, 927 13th Ave., $40,000. Noted Sept. 22.

Wis., Milwaukee—Lincoln Investment Co., c/o J. H. Esser, archt., 82 Wisconsin St., 1 story, 80 x 132 ft., brick and concrete garage, rein-con. flooring, plain foundation, Keefe Ave., to P. Riesens Sons, 1018 Humboldt Ave., $40,000.

Mo., Clarence—A. Burnett, c/o Clarence Auto Co. 1 story, 100 x 140 ft., brick and steel garage. $50,000. Work will be done by day labor. Burgher Bros., Hannibal, archts. Noted Sept. 1.

Okla., Oklahoma City—P. H. Anthony, archt., Waldheim Bldg., Kansas City, Mo., 2 story, 100 x 150 ft. bakery, 39th and Oak Sts., to C. M. Dunning Constr. Co., Herskowitz Bldg., for Smith Baking Co., 437 Oak St. $150,000. Noted Sept. 29.

Buildings

PROPOSED WORK

Mass., Athol—Town Hall—Rejected bids 2 story, 50 x 125 ft. with 50 x 80 ft. ell. Main St. $200,000. Project postponed until 1922.

Conn., Norwich—Ward—Norwich State Hospital for Insane had plans prepared by Cudworth & Thompson, archts., Thayer Bldg., 2½ story, 100 x 195 ft., brick and concrete. $250,000. Noted July 14.

N. Y., Brooklyn — Hospital — Wyckoff Heights Hospital, Wyckoff Ave., plans 5 story, brick, steel and stone addition, concrete pile foundation. $300,000. Architect not selected.

N. Y., Brooklyn—Office, etc.—See "Industrial Works."

N. Y., New York—Amusement Hall—State Hospital Comn., Capitol, Albany, soon takes bids 65 x 124 ft. rein.-con. and brick, concrete foundation, Manhattan State Hospital, Wards Island, here. $150,000.

N. Y., New York—Apartment—Doclin Realty Co., 280 Fort Washington Ave., having plans prepared by Gronenberg & Leauchtag, archts. and engrs., 303 5th Ave., 5 story, 84 x 100 ft., brick, steel and stone, concrete pile foundation. Wadsworth Terrace near 190th St. $350,000.

N. Y., New York—Corn Exch. Bank, 13 William St., having plans prepared by S. E. Gage, archt. and engr., 28 East 49th St., 1 story, 50 x 100 ft., brick, steel and stone concrete pile foundation, 543 Cathedral Parkway. $150,000.

N. Y., New York—Synagogue—Congregation Gemilith Chasidom, 494 Claremont Parkway, soon takes bids 3 story, brick, steel and stone, concrete pile foundation, Washington Ave. and 174th St. $150,000. S. F. Oppenheim, 36 8th Ave., archt. and engr.

Pa., Phila.—Apartment and Store—S. F. Fretz, 1305 Oak Lane Ave., having preliminary plans prepared by C. F. Neff, archt., 1200 Locust St., 2 and 3 story, 160 x 170 ft. on Broad St. and Old York Rd. $250,000.

Pa., Sharon—Lodge Home—Moose Lodge 292, soon takes bids, 3 story, State and South Main Sts., $200,000. W. A. Ullom, Farrell, archt.

Pa., Wayne—High School—Randor Twp., c/o J. C. Egbert, having plans prepared by C. H. Richards, archt., 608 Chestnut St., Phila., 3 story brick and steel, rein.-con. flooring, plain foundation, Lancaster and Wayne Aves. $250,000.

Va., Staunton—Hotel—A. T. Moore, c/o H. L. Stevens Co., archts. and engrs., 522 5th Ave., New York, having sketches made, brick, steel and stone, concrete pile foundation, here. $450,000.

W. Va., Charleston—Temple and Theater—Beni-Kedem Temple, A. A. O. N. M. S., takes bids about Jan. 1, 3 story, 100 x 240 ft., brick, stone, steel and marble, Kanawha St. $600,000. C. W. and G. L. Rapp, 190 North State St., Chicago, archts.

W. Va., Wayne—Court House—Wayne Co. plans 3 story, probably brick and stone. $200,000. Architect not selected.

La., Alexandria—Temple—Oliver Lodge 84, F. & A. M. plans temple, $250,000.

La., New Orleans—Seminary—Catholics of city and state purchased site and had plans prepared by A. Owen, archt., Interstate Bldg., for seminary, here. $1,000,000 raised for building and endowing. Bishop J. W. Shaw, chn. of com.

Ky., Frankfort—Hotel — New Capitol Hotel Co., having plans prepared by F. L. Packard, archt., New Hayden Bldg., Columbus, O., 4 story, 100 x 150 ft., concrete, brick and steel. $200,000.

O., Dayton — Dormitory — University of Dayton plans 4 story, 100 x 200 ft., brick and rein.-con., rein.-con. flooring, concrete foundation, University Grounds. $275,000. J. A. Tetzlaff, pres. Architect not selected.

O., Van Wert—Church—First Presbyterian Church having plans prepared by W. H. Nicklas, archt., 1900 Euclid Ave., Cleveland, 1 story, steel and stone. $200,000.

Ind., Evansville—Office—Stock company, c/o P. J. Bradshaw, archt., International Life Bldg., St. Louis, Mo., had sketches made 15 story, brick and steel, 3rd and Main Sts. $1000,000.

Mich., Detroit — Club — Slovak Home Assn., c/o P. R. Rossello, archt., 406 Congress Bldg., having plans prepared 2 story, 100 x 120 ft., rein.-concrete, brick and steel, rein.-con. flooring, plain foundation. Frontenac Blvd. $150,000.

Mich., Detroit—Hospital—Michigan Workmen Compensation Insurance Co., c/o M. R. Burrowes, archt., 2631 Woodward Ave. and Stratton & Snyder, archts., Union Trust Bldg., having plans prepared, 6 story, 43 x 126 ft., 45 x 60 ft., concrete, brick and steel, rein.-con. and wood flooring, plain foundation. $500,000.

Mich., Detroit—Memorial Hall—Election November, $5,000,000 bonds, rein.-con., brick steel and stone 2nd Blvd. and Putnam St. Architect not selected.

Mich., Detroit—Office—Wayne Co., County Bldg., plans 3 story, brick and stone, Fort and Randolph Sts. $750,000. Smith, Hinchman & Grylls, 710 Washington Arcade, engrs.

Mich., Kalamazoo—College—Bd. Trustees Kalamazoo College having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, for library, chapel, science dormitory, auditorium and administration buildings, rein.-con., brick, steel and stone, rein.-con. flooring, concrete foundations, on campus. $1,800,000.

Mich., Marysville—Theatre and Store—G. Zanfer, c/o P. R. Rossello, archt., Congress Bldg., Detroit, having plans prepared 1 story, 122 x 170 ft. brick, steel and stone, brick foundation. $150,000.

Mich., Traverse City—High School—Bd. Educ. having plans prepared by F. S. Batterson, archt., Kalamazoo, 3 story, rein.-con., brick and steel, rein.-con. flooring, plain foundation. $300,000.

Ill., Evanston—Apartment and Store—Nazarian Bros., 1726 Sherman Ave., Chicago, having plans prepared by R. C. Harris, archt., 190 North State St., Chicago, 3 story, rein.-con., brick and stone Clark St. and Sherman Ave. here. $160,000.

Ill., Kankakee — Community House — First Methodist Church having plans prepared by Lowe & Bollenbaker, archts., 108 South La Salle St., Chicago, 2½ story, rein.-con., brick and stone. $175,000.

Ill., North Chicago—School—Bd. Educ. plans 2 story, rein.-con., brick and stone. $150,000. C. Neil, pres. Architect not selected.

Ill., Pana—Schools—Bd. Educ. plans two 2 story, rein.-con., brick and stone. $150,000 each. E. L. White, pres. Architect not selected.

Ill., Quincy—Theatre and Office—Pinkelman & Cory, Gem Theatre Bldg., having plans prepared by D. S. Klafter, archt., 64 West Randolph St., Chicago, 8 story, rein.-con., steel, brick and stone, Washington Sq. $1,000,000.

Buildings (Continued)

Wis., Beaver Dam—High School—School Bd. having plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., La Crosse, for 3 story, brick and rein.-con., rein.-con. flooring plain foundation. $200,000. Noted Sept. 29.

Wis., Beloit—Theater—Beloit Amusement Co., c/o H. Adams, Goodwin Blk., having plans prepared by Claud & Starck, archts., Badger Annex, Madison, for 1 story, 90 x 195 ft., brick and concrete, rein.-con. flooring, plain foundation, East Grand Ave. $200,000.

Wis., Milwaukee — Hospital, etc. — Milwaukee Children's Free Hospital, 219 10th St., soon receives bids 5 story, 40 x 150 ft. and 40 x 60 ft. hospital, 4 story, 40 x 125 ft. nurses home and 2 story, 30 x 60 ft. power plant and laundry, rein.-con. and brick, rein.-con. boring, plain foundation, Grand Ave. $400,000. Scott & Mayer, 445 Milwaukee St., archts. Noted Dec. 20.

Wis., Milwaukee—Students Center—Marquette Union of Marquette University, 131 13th St., plans 4 story, brick and concrete rein.-con. flooring, plain foundation, 13th St. $150,000. Architect not selected.

Wis., Oconomowoc—High School—School Bd. having revised plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., LaCrosse, 2 story, brick and concrete, rein.-con. flooring, plain foundation, Summit Ave. $185,000. E. W. Delaney, secy. Noted Aug. 11.

Ia., Missouri Valley—Club—J. Muller Post 337, Amer. Legion, c/o F. Hardy, plans 2 story, 50 x 150 ft., rein.-con., brick and stone. $160,000. Architect not selected.

Minn., Minneapolis—Apartment Hotel—Curtis Hotel Co., c/o T. E. Curtis, pres., 309 South 10th St., plans 6 or 15 story, rein.-con., brick and tile addition on 10th St. between 3rd and 4th Aves. S. Cost between $1,500,000 and $2,000,000.

Kan., Kansas City—Temple—Scottish Rite Bldg. Assn., c/o D. C. Kelley, secy., Masonic Temple Bldg., having plans prepared by Rose & Peterson, archts., Barker Bldg., 2 story, 140 x 150 ft., brick, stone and rein.-con., 8th and Washington Sts. $700,000.

Neb., Omaha—Elks Home—Elks Lodge 3590 plans 8 or 10 story, brick and steel. $1,000,000. O. Neilson, secy. Architect not selected.

Mo., Carthage — Mercantile — Carthage Cash Mercantile Co., c/o J. Bowers, mgr., having plans prepared by J. Prather, archt., Carthage, 2 story, 50 x 160 ft., rein.-con., brick and stone. $150,000.

Mo., St. Joseph—Apartment—F. S. Koogler, Champaign, Ill., having plans prepared 3 story, 102 x 132 ft., brick, stone and rein.-con., here. $160,000. Architects name withheld.

Mo., St. Louis — Apartment — H. M. Jacobs (owner and archt.), Title Guaranty Bldg., preparing plans 3 story, 88 x 125 ft., rein.-con., brick and stone. $150,000.

Mo., St. Louis—Office—W. H. Gruen, archt., 1520 Chestnut St., preparing plans 7 story, 75 x 100 ft., brick, rein.-con. and stone, 15th and Chestnut Sts. $175,000. Owners name withheld.

Mo., St. Louis—Office, etc.—United Ry. Co., c/o A. Perkins, mgr., 39th St. and Park Ave., having plans prepared by A. M. Arhelger, archt., c/o owner, 3 story, brick and steel office and repair shop, Taylor St. and Bway. $160,000.

Mo., Springfield—Hospital—Frisco Ry., c/o E. D. Levy, mgr., Frisco Bldg., St. Louis, having plans prepared by R. C. Stephens, archt., Frisco Bldg., St. Louis, 3 story, brick, stone and rein.-con., here. $200,000.

Tex., Amarillo—Schools—Potter Co. election Oct. 25, $450,000 bonds, schools, high school and ward building. L. D. Marrs, co. judge.

Okla., Enid—Convention Hall—City plans 2 story, rein.-con., brick and stone. $215,000. R. T. Williams, clk. Architect not selected.

Okla., Oklahoma City—Club—Hawk & Parr, archts., Magnolia Bldg., rejected bids opened Oct. 4, 6 story, 125 x 140 ft., rein.-con., brick and stone for Oklahoma Club, c/o J. Shartel. $350,000. Work will be readvertised. Noted Sept. 29.

Okla., Tulsa—Office—W. E. Wright, Wright Bldg., having plans prepared by Rush, Endicott & Rush, archts., 101 Lorton St., for 8 story, 46 x 104 ft., brick, stone, terra cotta and rein.-con., 3rd and Denver Sts. $270,000.

Col., Denver — Bank — Federal Reserve Bank, 10th Dist., R. A. Long Bldg., Kansas City, Mo., plans bank on 18th and Curtis Sts., here. Cost between $500,000 and $1,000,000. R. H. Malone, dir. Architect not selected.

Wash., Seattle—Church—First Christian Church, Bway. and East Olive Sts., opens bids about Dec. 1, 4 story, 60 x 120 ft. terra cotta and brick, concrete foundation. $150,000. R. H. Orr, 1301 Van Nuys Bldg., Los Angeles, Cal., archt. Noted Apr. 14.

Ont., Sandwich—Jail—Having plans prepared by Nichols, Sheppard & Colthurst, archts., Windsor, stone jail. $175,000. Price wanted on all materials.

Ont., Toronto—School—Bd. Educ., 155 College St., had plans prepared by W. W. Pearse, archt., 155 College St., 3 story, 100 x 276 ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation, Jarvis St. $600,000.

Ont., Windsor — Hotel — E. Doumani, Crawford Hotel, takes bids early in November, 3 story brick and steel addition to hotel on Sandwich St. $150,000. Prices wanted on all materials. Architect not selected.

BIDS DESIRED

N. Y., Brooklyn—Apartment—Hecla Bldg. Co., 451 Crown St., 4 story, brick, steel and stone, concrete pile foundation, St. John's Pl. $185,000. Work will be done by separate contracts under supervision of Springsteen & Goldhammer, archts and engineers, 32 Union Sq., New York.

2140

In September we published a total of 2140 items of construction news. This in spite of the hard times which nobody can deny. In September, 1920, we carried 2100 items—40 less than last month.

N. Y., Schenectady—Schools—Oct. 19, by Bd. Contract & Supply, City Hall Annex, 3 schools, Elm, Front and Oneida Sts. J. Curry, secy.; adv. this issue. Noted July 21.

N. J., Camden—School—Oct. 17, by Bd. Educ., City Hall, 2 story, 106 x 207 ft., granite and terra cotta, rein.-con. flooring, plain foundation, 32nd and Hayes Sts. Cost to exceed $200,000. C. S. Adams, 2036 Spruce St., Phila., archt. Noted May 19.

N. J., Elizabeth—Clubhouse—Nov. 1, by King & Campbell, archts. and engrs., 38 West 40th St., New York, 2 story, brick and stone addition, brick foundation, here, for B. P. O. E., 211 Broad St. $150,000. Noted Sept. 29.

Pa., Harrisburg—High School—Oct. 24, by School Bd., 121-123 Chestnut St., 3 story, 100 x 100 ft. concrete, brick and stone, 6th and Division Sts. $150,000. C. H. Lloyd, Suite 701-A, Telegraph Bldg., archt.

Pa., Phila.—Convent—Oct. 20, by P. A. Monaghan, archt., 1218 Chestnut St., 3 story, 40 x 127 ft. brick, steel and stone, rein.-con. flooring, plain foundation, Price and Sprague Sts., for Roman Catholic Church of Immaculate Conception, Price and Sprague Sts., $200,000.

Pa., Phila.—Hospital—Oct. 20, by H. W. Castor, archt., Stephen Girard Bldg., 5 story, 96 x 123 ft. rein.-con., brick and steel, rein.-con. flooring, plain foundation, on Broad and Ritner Sts., for Methodist Episcopal Hospital, Broad and Ritner Sts. $300,000.

Pa., West Chester—Hospital—Oct. 20, by Day & Klauder, archts., 925 Chestnut St., Phila., 4 story, 43 x 192 ft. with 3 story, 29 x 42 ft., 2 story, 36 x 36 ft., 34 x 38 ft. and 42 x 42 ft. wings, brick, terra cotta and stone, rein.-con. flooring, plain foundation, for Chester Co. Hospital. $500,000.

D. C., Wash. — High School — Oct. 26 (change of date) Dist. Comrs. 509 Dist. Bldg., New Eastern High School, 3-story complete including mechanical equipment. $700,000. A. L. Harris, Dist. Bldg., municipal archt. Noted Sept. 29.

N. C., Asheville—Oct. 17, by Y. M. C. A., 3 story, 110 x 150 ft. $235,000. Jallade, Lindsay & Warren, 129 Lexington Ave., New York, Archt.

O., Bloomville—High School—Nov. 1, by J. P. Webster, clk., Bd. Educ. 2 story, 113 x 115 ft., brick and concrete. $150,000. Glass & Austin, Gas Co. Bldg., Columbus, archts. Noted Nov. 18.

O., Canton—High School—Oct. 17, by Bd. Educ., 2 story, 60 x 125 ft., brick, steel and concrete rein.-con. flooring, plain foundation 14th St. $200,000. Thayer & Johnson, 5716 Euclid Ave., Cleveland, archts.

O., Cleveland—Commercial and Apartment—Oct. 18, by Venice Bldg. Co., c/o F. Riley, 1508 Williamson B dg., 5 story, 18 x 106 ft., brick, steel and concrete, rein-con. flooring, plain foundation, East 84th St. and Euclid Ave. $200,000. J. F. Steffens, 611 Fidelity Mortgage Bldg., archt.

Mich., Springwells—Bank—Oct. 17, by M. R. Burrowes, archt., 2631 Woodward Ave., Detroit, 2 story, brick, steel and stone, Michigan Ave., for Springwells State Bank. $150,000. A. D. Rosiers, 2631 Woodward Ave., Detroit, engr.

Ill., Centralia—Hospital—Oct. 18, by St Mary's Hospital, 207 North Elm St., and H. J. Gaul, archt., 111 West Washington St., Chicago, 3 story, 40 x 100 ft., rein.-con., brick and stone. $170,000. Noted Aug. 4.

Ill., Evanston—Apartment—Oct. 20, by C. Lovegren, 1215 Cornelia Ave., 3 story, 82 x 125 ft., rein.-con., brick and stone, Dobson St. and Ridge Ave. $150,000. J. A. Nyden, 190 North State St., Chicago, archt. Noted Oct. 6.

Ill., Freeport—Hospital—Oct. 20, by G. F. Schreiber, archt., 105 West Monroe St. Chicago, 4 story, 50 x 120 ft., brick, steel rein.-con. and stone, for St. Francis Hospital, $180,000. Noted July 7.

Ill., Harrisburg—School—Oct. 25 (change of date), by Bd. Educ., 2 story, 140 x 140 ft., steel, concrete and brick, rein.-con. flooring, concrete foundation. $300,000. G. Davenport, pres. A. L. Barnes, 1329 Birchwood Ave., Chicago, archt. Noted Sept. 22.

Ill., Peoria—School—Nov. 5, by Bd. Educ., c/o G. Mitchell, 2 story, rear addition to manual training school, brick, steel, rein.-con. and hollow tile. $225,000. F. J. Klein, 331 Main St., archt. Noted Apr. 14.

Kan., Kansas City—Lodge and Office—Oct. 18, by J. G. Braecklein, archt., 604 Minnesota St., 7 story, 65 x 90 ft. brick, stone and rein.-con., 905 North 7th St., for B. P. O. Elks No. 400, c/o F. Railsback. $200,000. Noted July 28.

CONTRACTS AWARDED

Mass., Leominister—Hospital—Bd. Trustees Leominister Hospital, 4 story, brick, concrete and steel, plain foundation, North Main St., to Wiley & Foss, Central St., Fitchburg. $150,000. Noted Apr. 21.

Mass., West Springfield (Springfield P. O.) Bank—West Springfield Trust Co., 3 story, 60x80 ft., concrete, brick and steel, rein-con. flooring, plain foundation. Elm St., to E. F. Carlson Co., 244 Main St., Springfield. Noted July 28.

N. Y., Brooklyn—Apartment—Quando Realty Constr. Co., c/o McCarthy & Kelley, archts. and engrs., 16 Court St., 4 story, 105 x 158 ft., brick, steel and stone, concrete pile foundation, East 13th St. and Caton Ave. $400,000. Work will be done by day labor.

N. Y., New York—Apartment—G. L. S. Building Co., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 6 story, 90 x 100 ft., brick, steel and stone, concrete pile foundation, Grand Ave. and 181st St. $150,000. Work will be done by day labor.

N. Y., New York—Apartment and Store—D. Meehan Corp., 1936 Bway., 5 story, brick, steel and stone, concrete pile foundation, University and Ogden Aves. $185,000. Work will be done by day labor. C. Schaefer, 394 East 150th St., archt. and engr.

N. Y., New York—Apartment—West 190th St. Corp., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 3 story, brick, steel and stone, concrete pile foundation, 205th St. and Bainbridge Ave. $200,000. Work will be done by day labor.

N. Y., Poughkeepsie—Schools—Bd. Educ., 22 Washington St., 2 story, 60 x 90 ft. addition to P.S. 7, Church St., to Johnson &

Buildings (Continued)

Miller, Yonkers, $78,200; 2 story, 60 x 90 ft. addition to P.S. 9, Delafield St., to W. W. Kingston, 1 Washington St., $58,400; 2 story, 68 x 87 ft. addition to Warring School, Smith St., to B. D. Holden, 35 Market St., $65,974. Noted Sept. 29.

N. J., Newark — Market — Bureau of Markets, brick and stone market, to C. F. Mac Evoy Co., 507 Orange St., $707,814. Noted April 28.

Pa., Drexel Hill—School—Bd. Educ. Garrettford, 2 story, 40 x 120 ft. here, to Penn Constr. & Eng. Co., 3840 Spring Garden St., Phila.

Pa., Phila.—Church—St. Mark's Lutheran Church, Broad and Chelten Aves., 2 story, 70 x 148 ft., rein.-con., brick and steel, rein.-con. flooring, plain foundation, Broad and Chelten Aves., to A. R. Raff, 1635 Thompson St., $250,000. Noted Aug. 4.

Pa., Phila.—Office—Hayman Bros., c/o L. B. Rothchild, archt., 1225 Sansom St., 10 story, 49 x 107 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, 113 South Broad St., to Wark Co., Broad and Walnut Sts., to exceed $1,000,000. Noted July 28.

Ga., Augusta—Y. M. C. A., 4 story, to Northeastern Constr. Co., Charlotte, N. C. $300,000. Noted July 28.

Tenn., Nashville—Office—Methodist Episcopal Church Bd. of Missions, remodeling 3 story addition to Doctors Bldg., Church St., rein.-con., brick and steel, to J. S. Moudy & Co., 43 Chamberlain Bldg., Chattanooga. $250,000. Noted Sept. 15.

O., Cleveland—Armory—Best & Hoefler, archts., Vickers Bldg., 3 story, brick, steel and concrete rein.-con. flooring, plain foundation Bolivar Rd., to S. W. Emerson Co., 1900 Euclid Ave., for Cleveland-Gravs, c/o H. P. Schuppe, 2840 Carnegie Ave. $200,000. Noted Sept. 22.

O., East Cleveland—(Cleveland, P. O.)—Commercial and Apartment—East Cleveland Corner Co., c/o L. Katz, 705 Republic B'dg., Cleveland, 3 story, 110 x 200 ft., brick and concrete, rein-con. flooring, plain foundation, Euclid and Superior Aves., to Cook Constr. Co., c/o owner. $200,000. Noted Sept. 8.

O., Portsmouth—Schools—Bd. Educ. 3 story, 106 x 129 ft. addition to high school, also two 2 story 37 x 65 ft. additions to Lincoln School, brick, stone and concrete, to Danis-Hunt Constr. Co., 907 Schwind, Dayton, $229,000 and $59,000 respectively Noted Sept. 22.

O., Ravenna—High School—Bd. Educ. 3 story, brick, stone and concrete, to Watts Suhribier Co., 1235 Miami St., Toledo, $380,000. Noted Sept. 22.

Mich., Detroit—Bank and Office—Detroit Savings Bank, State St., rein.-con., brick, steel and stone rein.-con. and wood flooring concrete foundation, Woodward Ave. and Brady St., to N. M. Lerner, 901 Kresge Bldg., $150,000. Noted Sept. 15.

Mich., Detroit — Recreation — Recreation Comn., 540 Elmwood Ave., 2 story, 140 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, plain foundation, Atkinson Park, to A. J. McLean, 302 Holden Bldg., $135,546. Noted Oct. 6.

Mich., L'Anse—Hospital—Bucher Memorial Hospital, c/o I. Firnberg, L'Anse, 3 story, 42 x 110 ft. with two 40 x 60 ft. wings, brick, rein.-con. flooring, plain foundation, to J. J. Michels, Houghton. $150,000.

Mich., Springwell — Municipal — For 2 story, 72 x 96 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, Michigan Ave., to Lennane Bros., 809 Union Trust Bldg., Detroit; $165,000. Noted Aug. 25.

Ill., Wilmette — Temple — Bahai Temple, c/o C. True, 5338 Kenmore Ave., Chicago, 120 x 178 ft., rein-con. and steel, Sheridan Rd. and Linden Ave., here, to McCarthy Bros., 1846 West Washington St., Chicago, $1,500,000. Noted Jan. 20.

Wis., Dousman—Home—Wisconsin Masonic Home Assn., c/o A. E. Matheson, chn. com., 624 St. Laurence Ave., Janesville, 3 story, 100 x 200 ft., brick and concrete, rein-con. flooring, plain foundation, to R. Reisinger & Co., 464 Oakland Ave., Milwaukee. $300,000. Noted Sept. 29.

Wis., Stevens Point—Hotel—Stevens Point Hotel Co., 5 story, rein.-con. and brick, rein.-con. flooring, plain foundation, to Immel Constr. Co., 200 North Main St., Fond du Lac. $300,000. Noted Sept. 1.

Mo., St. Louis—High School—H. P. Hess, archt., 4811 Cote Brilliant St., 3 story, 80 x 178 ft., rein.-con., brick and stone Newstead and Lindell Sts., to J. Grewe Const. Co., Century Bldg., for Rosatti Kain Catholic School, 4368 Lindell St. $300,000. Noted Sept. 22.

Ont. Toronto—Office—F. H. Ross & Co., Ltd., Lumsden Bldg., 8 story, 90 x 165 ft. tile, brick and steel, rein.-con. flooring, concrete foundation, Richmond and Sheppard Sts., to Yolles & Rottenberg, 366 Adelaide St. W. $600,000.

Ont. Toronto—School—Bd. Educ., Riverdale Technical School, 1 and 3 story, 30 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, general contract to Witchall & Son, 156 St. Helens Ave., $607,192; plumbing, heating, ventilation etc., to W. G. Edge Co., Ltd., 47 Richmond St. E., $117,000. Noted Sept. 15.

Federal Government Work

PROPOSED WORK

Mass., Weymouth—Dredging—U. S. Engineer, Boston, Mass., opens bids about Nov. 1, dredging in Fore River.

Pa., Pittsburgh — Engines — U. S. Engineer, opens bids about Nov. 1, operating machinery engines for Emsworth Dam, Ohio River.

Va., Norfolk—Dredging—U. S. Engineer opens bids about Nov. 1, dredging in Onancock River, here.

Ark., Ft. Logan H. Roots—Hospital—Treas. Dept., Wash., D. C., plans hospital, complete except mechanical equipment, here. J. A. Wetmore, acting superv. archt.

Ark., Ft. Logan H. Root — Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment for hospital, here. J. A. Wetmore, acting superv. archt.

N.M., Ft. Bayard — Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment for infirmary group of 3 buildings at U. S. Public Health Service Hospital, here. J. A. Wetmore, acting superv. archt.

Ariz., Prescott—Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment for 2 semi-ambulant quarters, 4 double quarters for officers, 1 double quarter for first class personnel, 1 quarter for married attendants, at U. S. Pub. Health Serv. 50, Whipple Barracks, here. J. A. Wetmore, acting superv. archt.

Wash., Walla Walla—Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment for hospital, here. J. A. Wetmore, acting superv. archt.

BIDS DESIRED

W. Va., Charleston—Electric Cable System—Spec. 4537—Oct. 26, Bureau Yards & Docks, Navy Dept., Wash., D. C., electric cable system here.

Ill., Chicago — Fire Protection System — Oct. 17, by Treas. Dept., Wash., D. C., extending fire protection system at U. S. Pub. Health Serv. Hospital 2, Broadview, here. J. A. Wetmore, acting superv. archt.

Ill., Decatur—Alterations to Post Office—Oct. 28, by Treas. Dept., Wash., D. C., altering basement, U. S. Post Office, here. J. A. Wetmore, acting surv. archt., adv. this issue.

N. M. Ft. Bayard—Hospital—Oct. 31, by Treas. Dept., Wash., D. C., infirmary group, 3 buildings, complete except mechanical equipment; and extenscions to heating, power and refrigerating plants, at U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt. Noted Aug. 4.

Ariz., Prescott — Quarters — Nov. 2, by Treas. Dept., Wash., D. C., complete except mechanical equipment, 2 semi-ambulant quarters, 4 double quarters for officers, 1 double quarter for first class personnel, 1 quarter for married attendants, at U. S. Public Health Service Hospital 50, Whipple Barracks, here. J. A. Wetmore, acting superv. archt. Noted Aug. 25.

BIDS RECEIVED

Md., Indian Head — Waterproofing Cooling Pond — Spec. 4428 — Bureau Yards & Docks, Navy Dept., Wash. D. C., draining, grading and waterproofing cooling pond, here, from S. J. Smith & Co., 11 East Lexington St., Baltimore, $11,340 (100 days); A. H. Rogers 616 Colorado Bldg., Wash., D. C., $16,905 (90 days); W. F. Cush, 3d and R Sts., N.E., Wash., D. C., $20,900 (100 days). Noted Sept. 29.

CONTRACTS AWARDED

Md. Annapolis — Boiler Plant Improvements—Spec. 4500—Bureau Yards & Docks, Navy Dept., Wash., D. C., boiler plant improvements at Naval Hospital, here, to H. E. Crook Inc., 28 Light St., Baltimore, $12,875 (90 days). Noted Oct. 6.

Miscellaneous

PROPOSED WORK

Trucks—New Orleans, La—Plans to purchase eight 3½ ton dump steel motor trucks, for use at municipal plant. A. Klorer, city engr.

Stadium—Champaign, Ill.—University of Illinois having plans prepared by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, rein.-con. and steel stadium, here, $2,000,000. A. Brundage, chn.

Transmission Lines—Manchester, Okla.—City voted $27,000 bonds transmission lines from here to Anthony, Kan. W. Blecha, clk. W. B. Rollins, Ry. Exch. Bldg., Kansas City, Mo., engr. Noted Sept. 15.

Electric Light System—Edinburg, Tex.—Attorney Generals Dept., Austin, approved $30,000 bonds electric light system.

BIDS DESIRED

Coal Handling Apparatus, etc.—Thiells, N. Y.—Oct. 27, by M. B. Patterson, pres. Bd. Mgrs. of Letchworth Village, 7 Wall St., New York, coal handling apparatus, equipment, central heating plant, sanitary work and additions to sewage disposal plant, Letchworth Village, here. L. F. Pilcher, Capitol, Albany, state archt.; adv this issue.

Oil Tank Wagons—Phila., Pa.—Oct. 18, by F. H. Caven, dir. pub. wks., 2 fuel oil tank wagons, 600 gal. capacity, with steel wheels, also 4 with wooden wheels. Address, F. C. Dunlap, City Hall.

Grade Separation — Dearborn, Mich. — Oct. 18, by E. N. Hines, 1103 Real Estate Exch., Detroit, chn. Wayne Co. Rd Comm. grade separation at intersection of Telegraph Rd. and Michigan Central R.R., concrete slab for superstructure, sodding of side slopes, 1,200 ft. sewers, 14,360 cu.yd. earth excav., 700 cu.yd. rein.-con. for piers and abutments, 40 ton reinforcing steel, 734 cu.yd. concrete for bridge retaining wall, 734 cu.yd. precast slabs and 1,000 sq.yd. sodding. H. A. Shuptrine, 1103 Real Estate Exch., Detroit, engr.

RECEIVED BIDS

Inorganic Dust—New York, N. Y.— H. H. Curran, Pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 1,500 ton inorganic dust, from E. Myer & Co., 25 Church St., $7.43 per ton total cost $11,145; New York Trap Rock Corp. 101 Park Ave., $8.95, $13,425. Noted Sept. 29.

Cranes, etc.—Stapleton, S. I., N. Y.—M. Hulbert, comr. Docks, Pier "A" foot of Battery Pl., North River, New York, cranes at Piers 12 and 13, here, from Heyl & Patterson, Inc., 90 West St., New York, proposal (a), $370,882, (b) $356,126, (c) $341,110, (d) $325,310, (e) $301,308, Wellman-Sieber-Morgan Co., 700 Central Ave., Cleveland, O., (a) $396,435, (b) $384,567, (c) $372,699, (d) $360,831, (e) $399,873, Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, (a) $426,750, (b) $409,860, (c) $392,700, (d) $374,920, (e) $350,710; elevators, from Gurney Elevator Co., 300 8th Ave., New York, $109,862, Warner Elevator Mfg. Co., 113 Warren St. New York $147,000, Otis Elevator Co., 11th Ave. and 26th St., New York, $158,100; electric power transmission, from Watson Flagg Eng. Co., 120 Liberty St., New York, $16,800, Croker Nat'l. Fire Prevention Eng. Co., 22 West 30th St. New York, $18,979, J. Livingston & Co., 70 East 45th St., New York, $19,420; steam heating plants, from Shevlin Eng. Co., 110 West 34th St., New York, $10,954, E. F. Barrett, $12,280, Callahan Kings'ey Co., 343 West 52nd St., New York, $12,373. Noted Sept. 8.

CONTRACTS AWARDED

Garbage Disposal—Providence, R. I.—Bd. Contract and Supply, (garbage disposal for period 5 years), to J. J. Nugent, 1190 Eddy St., $400,000. Noted Aug. 11.

Core Stone, etc.—Coney Island (Brooklyn P. O.), N. Y.—E. Riegelmann, pres. Brooklyn Boro, Boro Hall, improvement and protection of beach, here, 30,000 ton core stone for jetties, etc., to Phoenix Constr. Co., 41 Park Row, New York, $1,898,924. Principal Unit prices may be obtained by writing Engineering News-Record. Noted Oct. 6.

Crane—New York, N. Y.—C. L. Cadle, supt. Pub. Wks., Capitol, Albany, electric crane, Mott Haven, here, Terminal Contr. 119, to Lambert Hoisting Engine Co., 117 Poinier St., Newark, N. J., $11,980. Noted Sept. 1.

Road Roller — New Orleans, La. — For one 3 wheel road rollers, to Buffalo Springfield Motor Co., Kenton and Oaks Sts., Springfield, O., $4,080. Noted Sept. 15.

Transmission Line—Bluff City, Kan.—City transmission line from here to Anthony, to B. A. Brown Electrical Co., 715 Minnesota St., Kansas City, $25,000. Noted Sept. 8.